

NLM's Online Playground: K-12 Health & Science Information Resources for Librarians, Teachers, Staff, Students & Parents

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Agenda

- Introduction and Overview

- Resources

- MedlinePlus
- Career
- Medicine and Health
- Environmental Health
- Genomics/Genetics
- Interdisciplinary

Presentation resources

<https://nnlm.gov/pnr/guides/training-resources-you-can-use/presentations>

NIH
NLM
NNLM

What's the difference?





Regional Medical Libraries

Explore the pinpoints below and learn more about the NNLM Regional Medical Libraries and their respective territories.



Members

Join libraries, community organizations and data organizations that provide quality health information and research. Membership is free, and benefits include access to a network of colleagues, specialized training and funding opportunities.

Join the Network Today!

Pacific Northwest Region

News & Announcements

- [Dragonfly](#) (PNR blog)
- [Bringing Health Information to the Community](#) (BHIC blog)
- [HLIB-NW Discussion List](#)
- [MedLib-L Discussion List](#)
- [NLM Technical Bulletin](#)



It's "Love Your Data" Week!

This week is "Love Your Data" Week, "a 5-day international event to help researchers take better care of their data." You can join in [here](#) if, and be sure to check in with NNLM-PNR's own [Facebook](#) if



NLM K-12 Science and Health Education Resources

U.S. Department of Health & Human Services www.hhs.gov

Outreach Activities & Resources

National Library of Medicine
National Institutes of Health
NLM

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[SIS Home](#) > [Outreach Activities & Resources](#) > [Students and Educators](#)

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[Expand/Collapse](#)

Outreach Projects
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[Environmental Health](#)
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[Minority and Ethnic Populations](#)
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About Us
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Announcements
See the Outreach Blog for the latest news!

[Connect with NLM](#)

K-12 Science and Health Education

Working with teachers and scientific experts to provide FREE reliable resources to help introduce, reinforce, and supplement education programs.

Get the latest news!

Biology

Careers

Disasters

Environmental Health Science/Chemistry

Forensics and Medical Technology

Games

General Health

Genetics

Health Information Tutorials

HIV/AIDS

Lesson Plans

Projects

Spanish-Language Resources

PDF documents can be viewed with the free [Adobe® Reader](#)

Health Resources

How do you
search for
health
information?

A horizontal search bar with a thin grey border. On the right side of the bar is a small microphone icon, indicating voice search functionality.

Google Search

I'm Feeling Lucky

MedlinePlus.gov

 U.S. National Library of Medicine



Trusted Health Information for You

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[Health Topics](#) [Drugs & Supplements](#) [Videos & Tools](#) [Español](#)



Health Topics

Find information on health, wellness, disorders and conditions



Drugs & Supplements

Learn about prescription drugs, over-the-counter medicines, herbs, and supplements



Videos & Tools

Discover tutorials, health and surgery videos, games, and quizzes



Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments

Medical Dictionary from Merriam-Webster



Could your diet use a splash of color?
Our **Nutrition** page has ways to liven it up

1 2 3 4 II

Today's Health News

Could Lots of Time Spent on Social Media Be Tied to Depression?

Healthy Amount of Vitamin C Might Keep Cataracts at Bay

Kids' Fruit Drinks, Juices Contain Day's Worth of Sugar

[More health news](#)

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NIH MedlinePlus Magazine

Read the **latest issue**



Clinical Trials

Search [ClinicalTrials.gov](#) for drug and treatment studies.

 [Easy-to-Read Materials](#)

 [Organizations and Directories](#)

 [Health Information in Multiple Languages](#)

 [MedlinePlus Connect for EHRs](#)

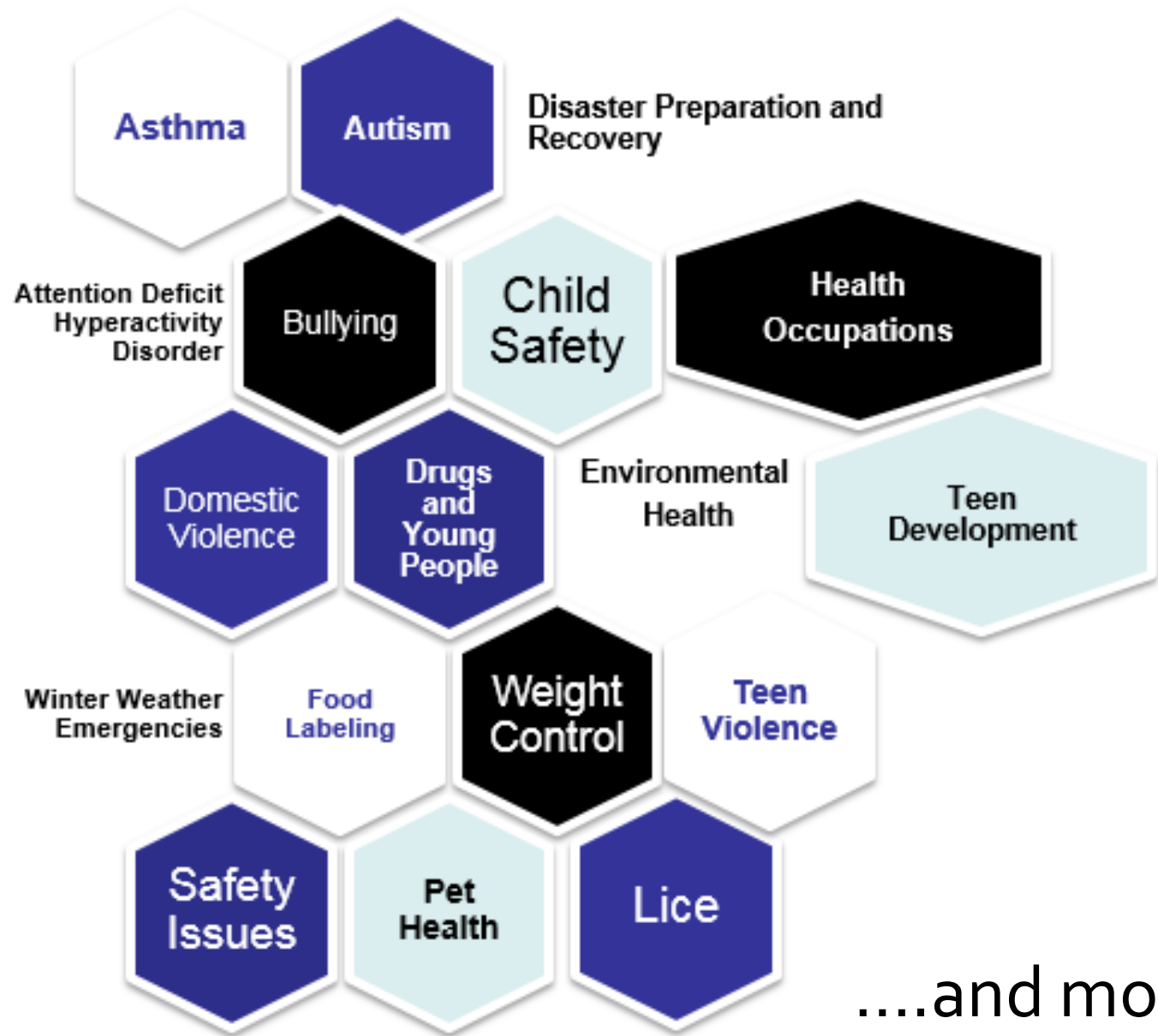
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Page last updated on 25 March 2016 URL for this page: <https://medlineplus.gov>

MedlinePlus: Topics of Interest



....and more

Searching MedlinePlus

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Health Topics Drugs & Supplements Videos & Tools **Español**

Home → Health Topics

Health Topics

Read about symptoms, causes, treatment and prevention for over 1000 diseases, illnesses, health conditions and wellness issues. MedlinePlus health topics are regularly reviewed, and links are updated daily.

Find topics A-Z

A B C D E F G H I J K L M N O P Q R S T U V W XYZ List of All Topics

Body Location/Systems	Disorders and Conditions	Demographic Groups
Blood, Heart and Circulation	Cancers	Children and Teenagers
Bones, Joints and Muscles	Diabetes Mellitus	Men
Brain and Nerves	Genetics/Birth Defects	Population Groups
Digestive System	Infections	Seniors
Ear, Nose and Throat	Injuries and Wounds	Women
Endocrine System	Mental Health and Behavior	
Eyes and Vision	Metabolic Problems	
Immune System	Poisoning, Toxicology, Environmental Health	
Kidneys and Urinary System	Pregnancy and Reproduction	
Lungs and Breathing	Substance Abuse Problems	
Mouth and Teeth		
Skin, Hair and Nails	Diagnosis and Therapy	Health and Wellness
Female Reproductive System	Complementary and Alternative Therapies	Disasters
	Diagnostic Tests	Fitness and Exercise
	Drug Therapy	Food and Nutrition
		Health System
		Personal Health Issues
		Safety Issues
		Sexual Health Issues
		Social/Family Issues
		Wellness and Lifestyle

Health Topics
Find information on health, wellness, disorders and conditions

Drugs & Supplements
Learn about prescription drugs, over-the-counter medicines, herbs, and supplements

Videos & Tools
Discover tutorials, health and surgery videos, games, and quizzes

Medical Encyclopedia
Articles and images for diseases, symptoms, tests, treatments

Medical Dictionary from Merriam-Webster
Look up in Dictionary **GO**

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U.S. National Library of Medicine



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Home → [Health Topics](#) → [Autism Spectrum Disorder](#)

Autism Spectrum Disorder

Also called: ASD, Pervasive developmental disorder (PDD)

On this page

Basics

- Summary
- Start Here
- Latest News
- Symptoms
- Diagnosis and Tests
- Treatments and Therapies

Learn More

- Living With
- Related Issues
- Specifics
- Genetics

See, Play and Learn

- Health Check Tools

Research

- Statistics and Research
- Clinical Trials
- Journal Articles




Resources

- Find an Expert

For You

- Children
- Teenagers
- Patient Handouts






Get Autism Spectrum Disorder updates by email

MEDICAL ENCYCLOPEDIA

[Asperger syndrome](#)
[Autism](#)
[Childhood disintegrative disorder](#)

Related Health Topics

[Child Behavior Disorders](#)
[Child Development](#)
[Fragile X Syndrome](#)

National Institutes of Health


Specifics

MedlinePlus links to health information from the National Institutes of Health and other federal government agencies. MedlinePlus also links to health information from non-government Web sites. See our [disclaimer](#) about external links and our [quality guidelines](#).

MedlinePlus

Children's Health

NIH U.S. National Library of Medicine


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Home → [Health Topics](#) → [Children's Health](#)

Children's Health




On this page

Basics <ul style="list-style-type: none">SummaryStart HereLatest NewsDiagnosis/SymptomsPrevention/ScreeningTreatments and Therapies	Learn More <ul style="list-style-type: none">Related IssuesSpecific Conditions	See, Play and Learn <ul style="list-style-type: none">Health Check ToolsGames
Research <ul style="list-style-type: none">Statistics and ResearchClinical TrialsJournal Articles	Resources <ul style="list-style-type: none">Reference DeskFind an ExpertFinance and Policy	For You <ul style="list-style-type: none">Patient Handouts

Summary

Your child's health includes physical, mental and social well-being. Most parents know the

Teen Health

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Home → [Health Topics](#) → [Teen Health](#)

Teen Health

Also called: Adolescent health




On this page

Basics <ul style="list-style-type: none">SummaryStart HereLatest NewsPrevention/ScreeningTreatments and Therapies	Learn More <ul style="list-style-type: none">Related IssuesSpecific Conditions	See, Play and Learn <ul style="list-style-type: none">Health Check Tools
Research <ul style="list-style-type: none">Statistics and ResearchClinical TrialsJournal Articles	Resources <ul style="list-style-type: none">Reference DeskFind an Expert	For You <ul style="list-style-type: none">No links available

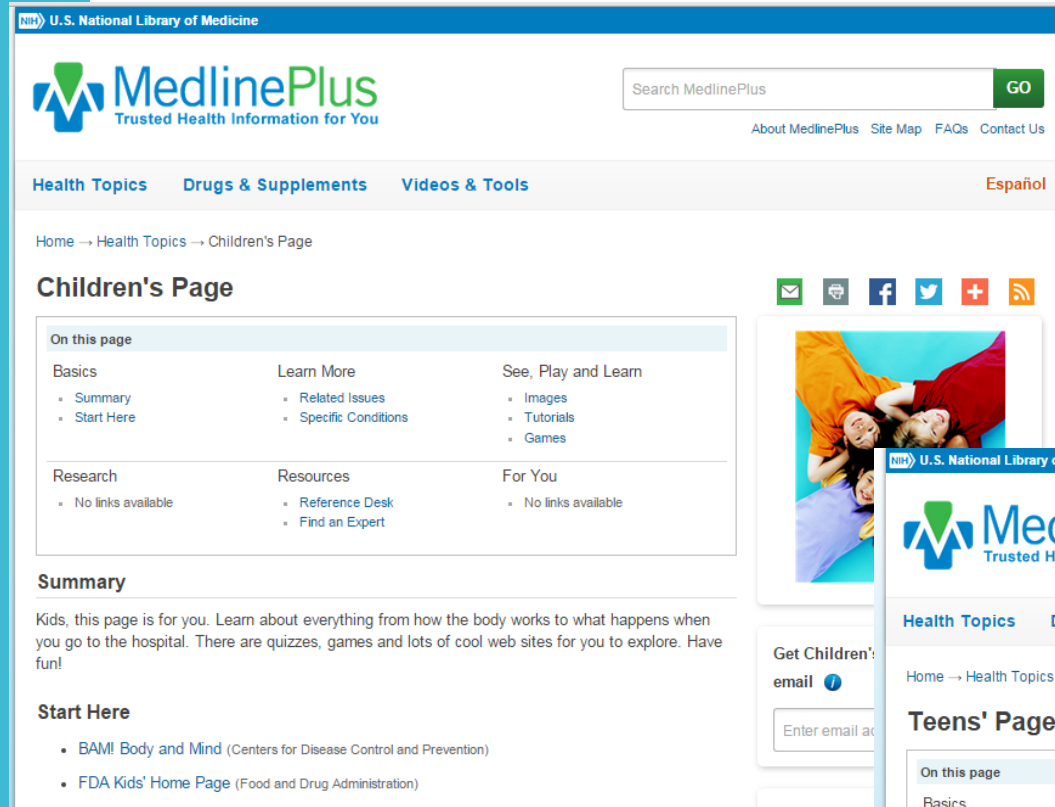
Summary

As a teenager, you go through many changes. Your body is on its way to becoming its adult size. You may notice that you can't fit into your old shoes or that your jeans are now 3 inches too short. Along with these changes, you are probably becoming more independent and making more of your own

Get Teen Health updates by email 

For Children

MedlinePlus



The screenshot shows the MedlinePlus Children's Page. At the top, there's a blue header with the NIH logo and "U.S. National Library of Medicine". Below this is the MedlinePlus logo and a search bar. Navigation links include "Health Topics", "Drugs & Supplements", "Videos & Tools", and "Español". The breadcrumb trail reads "Home → Health Topics → Children's Page". The main heading is "Children's Page". A table titled "On this page" lists categories: Basics (Summary, Start Here), Learn More (Related Issues, Specific Conditions), See, Play and Learn (Images, Tutorials, Games), Research (No links available), Resources (Reference Desk, Find an Expert), and For You (No links available). Below the table is a "Summary" section with text for kids and a "Start Here" section with links to BAM! Body and Mind and FDA Kids' Home Page. A "Get Children's email" sign-up box is on the right.

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Trusted Health Information for You

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Home → Health Topics → Children's Page

Children's Page

On this page		
Basics <ul style="list-style-type: none">SummaryStart Here	Learn More <ul style="list-style-type: none">Related IssuesSpecific Conditions	See, Play and Learn <ul style="list-style-type: none">ImagesTutorialsGames
Research <ul style="list-style-type: none">No links available	Resources <ul style="list-style-type: none">Reference DeskFind an Expert	For You <ul style="list-style-type: none">No links available

Summary

Kids, this page is for you. Learn about everything from how the body works to what happens when you go to the hospital. There are quizzes, games and lots of cool web sites for you to explore. Have fun!

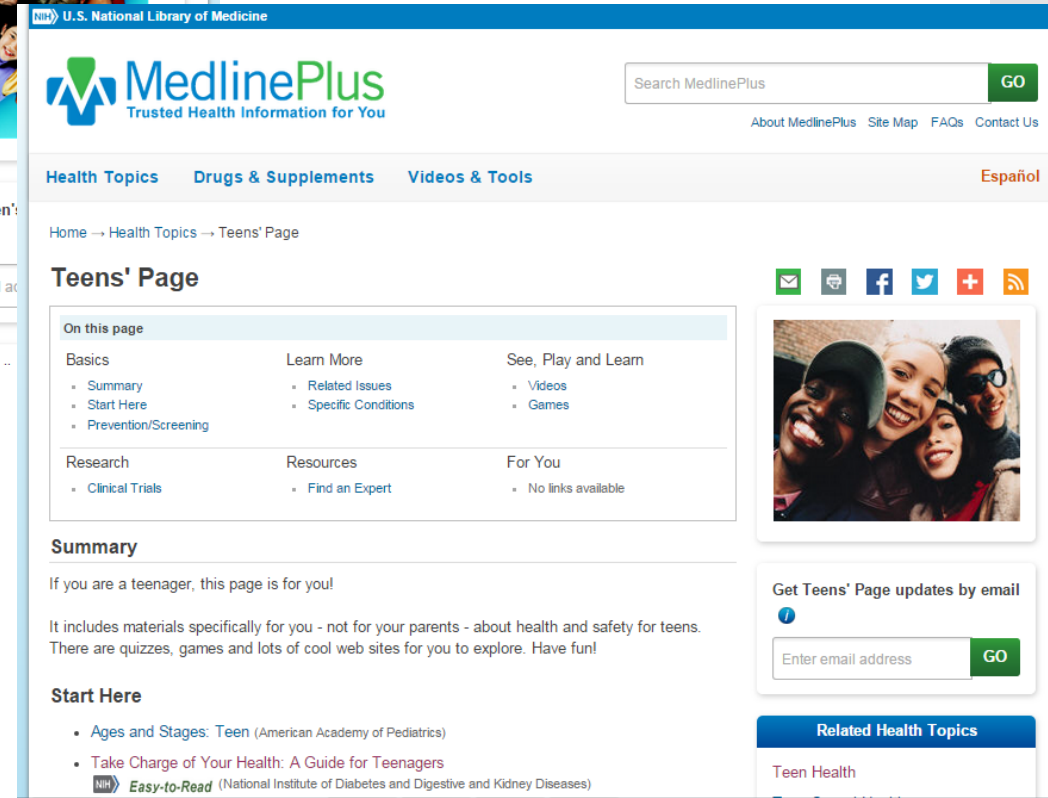
Start Here

- BAM! Body and Mind (Centers for Disease Control and Prevention)
- FDA Kids' Home Page (Food and Drug Administration)

Get Children's email

Enter email address

For Teens



The screenshot shows the MedlinePlus Teens' Page. It has a similar layout to the Children's page but is tailored for teenagers. The breadcrumb trail is "Home → Health Topics → Teens' Page". The main heading is "Teens' Page". The "On this page" table includes links to Videos and Games under "See, Play and Learn". The "Summary" section addresses teenagers directly. The "Start Here" section includes links to "Ages and Stages: Teen" and "Take Charge of Your Health: A Guide for Teenagers". A "Get Teens' Page updates by email" sign-up box is on the right, along with a "Related Health Topics" section for "Teen Health".

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Home → Health Topics → Teens' Page

Teens' Page

On this page		
Basics <ul style="list-style-type: none">SummaryStart HerePrevention/Screening	Learn More <ul style="list-style-type: none">Related IssuesSpecific Conditions	See, Play and Learn <ul style="list-style-type: none">VideosGames
Research <ul style="list-style-type: none">Clinical Trials	Resources <ul style="list-style-type: none">Find an Expert	For You <ul style="list-style-type: none">No links available

Summary

If you are a teenager, this page is for you!

It includes materials specifically for you - not for your parents - about health and safety for teens. There are quizzes, games and lots of cool web sites for you to explore. Have fun!

Start Here

- Ages and Stages: Teen (American Academy of Pediatrics)
- Take Charge of Your Health: A Guide for Teenagers
- Easy-to-Read (National Institute of Diabetes and Digestive and Kidney Diseases)

Get Teens' Page updates by email

Enter email address GO

Related Health Topics

Teen Health

Drug Information



[Health Topics](#) [Drugs & Supplements](#) [Videos & Tools](#)

[Home](#) → [Drugs, Herbs and Supplements](#)

Drugs, Herbs and Supplements

[Drugs](#)



Pillbox rapid identification, reliable information



National Center for
Complementary and
Integrative Health

NIH...Turning Discovery Into Health

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[Health Info](#)

[Research](#)

Herbs at a Glance



U.S. Food and Drug Administration
Protecting and Promoting *Your* Health



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Health Topics

Find information on health, wellness, disorders and conditions



Drugs & Supplements

Learn about prescription drugs, over-the-counter medicines, herbs, and supplements



Videos & Tools

Discover tutorials, health and surgery videos, games, and quizzes



Medical Encyclopedia

Articles and images for diseases, symptoms, tests, treatments

[Medical Dictionary from Merriam-Webster](#)

GO

Today's Health News

Melanoma Strikes Earlier If Indoor Tanning Begins in Teens

New Transplant Technique Might Free Type 1 Diabetics from Daily Injections

Seniors Need to Take Extra Care in The Cold

[More health news](#)

Clinical Trials

Search [ClinicalTrials.gov](#) for drug and treatment studies.

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Page last updated on 28 January 2016 URL for this page: <https://medlineplus.gov>



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Videos & Tools



Watch health videos on topics such as anatomy, body systems, and surgical procedures. Test your knowledge with interactive tutorials and games. Check your health with calculators and quizzes.



Health Videos

View videos of anatomy and body systems and how diseases and conditions affect them.



Surgery Videos

Find videos of operations and surgical procedures.



Health Check Tools

Check your health with interactive calculators, quizzes and questionnaires.



Games

Boost your health knowledge by playing interactive health games.

Search all Videos & Tutorials

GO

[Understanding Medical Words](#)

[Evaluating Health Information](#)

[To Your Health: NLM update](#)

[NIHSeniorHealth Videos](#)


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Page last updated on 6 January 2016

MedlinePlus

 U.S. National Library of Medicine







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[Home](#) → [About MedlinePlus](#) → [Information for Librarians and Trainers](#)

Information for Librarians and Trainers

The goal of MedlinePlus is to bring appropriate, authoritative health information to those who need it. We appreciate your efforts in training people on how to use MedlinePlus. Here are some training resources which might help you with your classes and health fairs.

Resources for Teaching MedlinePlus

MedlinePlus Tour

- MedlinePlus Tour in [English](#) and [Spanish](#) - A narrated tour of the main features of MedlinePlus. The video runs about 2.5 minutes.

MedlinePlus Brochures

- MedlinePlus PDF Brochure - in [English](#) (updated May 2015) and [Spanish](#) (updated May 2015)
- MedlinePlus PDF Brochure in [Creole](#) (updated October 2010)
- [MedlinePlus for Health Professionals](#) PDF Brochure (updated July 2015)
- [MedlinePlus Connect](#) PDF Brochure (updated June 2014)
- [MedlinePlus XML Data Sources](#) PDF Brochure (updated December 2013)

About MedlinePlus


- [Articles about MedlinePlus](#)
- [Citing MedlinePlus FAQ](#)
- [E-mail Updates](#) – Sign up to receive emails containing links to new topics, new sites, and health news.
- [MedlinePlus FAQs](#)
- [MedlinePlus Quality Guidelines](#)
- [MedlinePlus Search Tips](#)

Resources for Teaching How to Find Health Information Online

General

- [Evaluating Internet Health Information: A Tutorial from the National Library of Medicine](#) (download)
- [Finding Accurate and Reliable Health Information on the Internet](#) - PDF (University of Minnesota Health Sciences Libraries)
- [Finding Quality Health Information on the Web: A Tool Kit](#) (University of Washington Center for Public Health Nutrition)
- [MedlinePlus Guide to Healthy Web Surfing](#)
- [MedlinePlus Page: Evaluating Health Information](#)
- [MedlinePlus Page: Understanding Medical Research](#)

MedlinePlus



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Health Topics Drugs & Supplements Videos & Tools Español

Home → Health Topics → School Health

School Health

On this page

Basics

- Summary
- Start Here
- Latest News
- Prevention and Risk Factors

Learn More

- Related Issues
- Specifics

See, Play and Learn

- No links available

Research

- Statistics and Research
- Journal Articles

Resources

- Find an Expert

For You

- Children
- Teenagers

Summary

Your child spends more time at school than anywhere else except home. Schools can have a major effect on children's health. Schools can teach children about health, and promote healthy behaviors. Physical education classes give children a chance to get exercise.







Schools work to


- Prevent risky behaviors such as alcohol and tobacco use, or bullying
- Encourage healthy habits like exercise and healthy eating
- Deal with specific health problems in students, such as asthma, obesity and infectious diseases

The school building and environment should be a safe and healthy place for your child.


Start Here

- New!** [Healthy Schools](#) (Centers for Disease Control and Prevention)
- [Safe Youth. Safe Schools.](#) (Centers for Disease Control and Prevention)





NCI/Michael Anderson

Get School Health updates by email 

Enter email address GO

Related Health Topics

[Bullying](#)
[Child Safety](#)
[College Health](#)

NIH MedlinePlus Magazine

[Asthma and Schools](#)

NLM K-12 Twitter & Newsletter



NLM K12 Sci Edu
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Health and science education resources for teachers. From the National Library of Medicine. RT are not endorsements.
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National Library of Medicine
[sis.nlm.nih.gov/outreach/k12.h...](https://sis.nlm.nih.gov/outreach/k12.html)
Joined September 2010

14 Photos and videos



TWEETS 1,415 FOLLOWING 149 FOLLOWERS 141 LIKES 67

Tweets Tweets & replies Photos & videos

- NLM K12 Sci Edu** @NLM_K12 · Jan 28
Attn Teachers! A witty animation to engage students about the topic Mercury. #mercury #science go.usa.gov/cEbDA
- NLM K12 Sci Edu** @NLM_K12 · Jan 23
K12 teachers here is an animation that explains #lead exposure "Silent but Deadly": go.usa.gov/cUmMQ #Flint
- NLM K12 Sci Edu** @NLM_K12 · Jan 23
Want to make science relatable to students? This lesson plan on bottle water vs tap water in schools can help! go.usa.gov/3xQ9Q
- NLM K12 Sci Edu** @NLM_K12 · Jan 22
Teaching about runoff, impervious surfaces and smart development? Here's a lesson plan on it go.usa.gov/3xQ83
- NLM K12 Sci Edu** @NLM_K12 · Jan 22
Keep your students safe! Share this information on carbon monoxide. go.usa.gov/cPY4d #carbonmonoxide #snow
- NLM K12 Sci Edu** @NLM_K12 · Jan 22
How can #Methane affect my health? Los Angeles residents find out

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Education Connection

Working with teachers and scientific experts to provide
FREE reliable resources for the classroom



Bring Gaming to Your Science Classroom

The use of gaming in the classroom provides a new medium for teachers to introduce or reinforce key concepts in the curriculum. How to incorporate this new medium seems to have taken online webinars for teachers by storm. Yet are there enough online games that both engage students and provide a real opportunity to learn? Over the summer, the NLM had the opportunity to work with a high school teacher to create two pilot iOS game apps. This was our first attempt to map a gaming app to curriculum objectives taught in high school science. Both games include attractive game design and interactive gameplay, and offer teachers the opportunity to "pause" the game at various times for "teachable moments". Your students will love taking a break from whiteboards and lectures to try their hand at these fun yet educational games.

Bohr Thru: A trip through the first 18 elements

In this game, students become familiar with the number of protons, neutrons, and electrons necessary to build each of the first 18 elements. With the help of "Atom", the game's main character, students learn fun and interesting facts about the chemical elements. To reinforce content during game play, students can earn "power-ups" when they successfully add electrons to complete Bohr Models for an element. Click [here](#) to download this FREE app!

Base Chase: "A" is to "T" as "G" is to "C"

The basic goal of this game is to reinforce matching bases and the importance these pairs play in the development of a species DNA. The game uses a jumping mechanic to collect different animals found within the African Savanna. After a player has matched enough DNA the animal appears along with "DeeNA", a whimsical DNA strand character that delivers important information concerning DNA. Click [here](#) to download this FREE app!

In addition to these two games, a third game created for our K-12 community involves the reinforcement of concepts that relate to greenhouse gas reduction, the use of renewable energies, and the value of green product purchases.

[Don't Green Up! Help Keep our Environment Green](#)

About Us

The NLM K-12 team is part of the National Library of Medicine Outreach and Special Populations Branch. Teachers and students have been identified as a special population group that can benefit from the science and health information we provide.

If you have questions regarding our outreach effort to this community or any other outreach effort, please contact us at: teripeter.nlm.nih.gov

Meet the K-12 Team

Gale Dutcher
Janice Kelly
All Keselman

Using This Information

Flu

U.S. National Library of Medicine

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Health Topics Drugs & Supplements Videos & Tools **Español**

Home → Health Topics → Flu

Flu

Also called: Gripe, Influenza

On this page

Basics <ul style="list-style-type: none">SummaryStart HereLatest NewsSymptomsDiagnosis and TestsPrevention and Risk FactorsTreatments and Therapies	Learn More <ul style="list-style-type: none">Living WithRelated IssuesSpecifics	See, Play and Learn <ul style="list-style-type: none">ImagesHealth Check Tools
--	--	--

Research

- Statistics and Research
- Clinical Trials
- Journal Articles

Resources

- Find an Expert

Summary

Flu is a respiratory infection caused by a number of viruses. The viruses enter your body through your nose or mouth. Between 5% and 20% of people get the flu each year. The flu can be serious or even deadly for elderly people, newborns, and people with chronic illnesses.

Symptoms of the flu come on suddenly and are worse than those of a cold. Symptoms include:

- Body or muscle aches
- Chills





SUNDAY, JULY 17, 2016

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FLU.GOV

Know what to do about the flu.

SEARCH

Symptoms & Treatment Prevention & Vaccination Who's At Risk About the Flu Planning & Preparedness Pandemic Awareness

Flu Symptoms & Severity

The flu is different from a cold and can cause mild to severe illness. Most people will recover from the flu in less than 2 weeks, but some will develop complications. [Learn more about flu symptoms and those who are at high risk from the flu.](#)



Avian Flu in Poultry



- [Current threat to poultry in the US \(USDA\)](#)
- [Avian flu in birds \(CDC\)](#)
- [Avian flu surveillance and preparedness \(USDA\)](#)

About the Flu (CDC)



- [When is flu season? \(CDC\)](#)
- [How do I protect myself from the flu?](#)
- [What are the symptoms? \(CDC\)](#)

Children & Infants (CDC)



- [Why are children at high risk? \(CDC\)](#)
- [Nasal spray vaccine in children 2-8 years old \(CDC\)](#)
- [Where can I get the vaccine?](#)

Pregnant Women (CDC)



- [What you need to know about the flu \(CDC\)](#)
- [Preventing the flu during your pregnancy \(CDC\)](#)
- [How would you know if you have the flu? \(CDC\)](#)

Using This Information

Athletic Injuries

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Home → Health Topics → Head Injuries

Head Injuries

Also called: Cranial injuries, Skull fractures, Skull injuries

On this page	Learn More	See, Play and Learn
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Research <ul style="list-style-type: none">Statistics and ResearchClinical TrialsJournal Articles	Resources <ul style="list-style-type: none">Find an Expert	For You <ul style="list-style-type: none">ChildrenTeenagersPatient Handouts

Summary

Chances are you've bumped your head before. Usually, the injury is minor because your skull is hard and it protects your brain. But other head injuries can be more severe, such as a skull fracture, concussion, or traumatic brain injury.

Head injuries can be open or closed. A closed injury does not break through the skull. With an open, or penetrating, injury, an object pierces the skull and enters brain tissue. Closed injuries are not always less severe than open injuries.

Some common causes of head injuries are falls, motor vehicle accidents, violence, and sports injuries.

It is important to know the warning signs of a moderate or severe head injury. Get help immediately if the injured person has

- A headache that gets worse or does not go away
- Repeated vomiting or nausea
- Convulsions or seizures
- An inability to wake up
- Dilation of one or both pupils of the eyes
- Slurred speech
- Weakness or numbness in the arms or legs
- Loss of coordination
- Increased confusion, restlessness, or agitation

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MEDICAL ENCYCLOPEDIA

Cranial CT scan
Head injury - first aid
Preventing head injury
Skull fracture
Skull x-ray

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Concussion
Traumatic Brain Injury

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Sports Injuries

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Research <ul style="list-style-type: none">Statistics and ResearchClinical TrialsJournal Articles	Resources <ul style="list-style-type: none">Find an Expert	For You <ul style="list-style-type: none">ChildrenTeenagersMenPatient Handouts

Summary

Exercising is good for you, but sometimes you can injure yourself when you play sports or exercise. Accidents, poor training practices, or improper gear can cause them. Some people get hurt because they are not in shape. Not warming up or stretching enough can also lead to injuries.

The most common sports injuries are

- Sprains and strains
- Knee injuries
- Swollen muscles
- Achilles tendon injuries
- Pain along the shin bone
- Rotator cuff injuries
- Fractures
- Dislocations

If you get hurt, stop playing. Continuing to play or exercise can cause more harm. Treatment often begins with the RICE (Rest, Ice, Compression, and Elevation) method to relieve pain, reduce swelling, and speed healing. Other possible treatments include pain relievers, keeping the injured area from moving, rehabilitation, and sometimes surgery.

NIH: National Institute of Arthritis and Musculoskeletal and Skin Diseases

Start Here

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MEDICAL ENCYCLOPEDIA

Achilles tendon repair
ACL reconstruction
Acute mountain sickness
Back pain and sports
Concussion
How to avoid exercise injuries
Lactic acidosis
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Osgood-Schlatter disease
Returning to sports after a back injury

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Internet Safety

Summary

For most kids and teens, technology is an important part of their lives. They browse the Web for information, use social networking sites, text, and chat. But there can also be dangers, and it is important for parents to monitor their children's use and teach them how to be safe online:

- Never give out personal information, such as your full name, address, phone number, or school name
- Tell an adult if any communication (chat, text, e-mail message) makes you feel uncomfortable
- Never send sexually explicit photographs or messages
- On social networking sites, use privacy controls and only friend people that you know

Of course, some of this advice is good for adults, too.

Latest News

- Kids Find Help for Anorexia More Often Than 'Pro-Ana' Posts on YouTube (12/16/2014)

Resources

- Chat, E-Mail, Web, and Chat Room Slang and Acronyms (American Academy of Pediatrics)
- Cyberbullying (Health Resources and Services Administration)
- Cyberbullying (National Crime Prevention Council)
- Friend Finder (Federal Trade Commission)
- Net Cetera: Chatting with Kids about Being Online (Federal Trade Commission) - PDF
- Parent's Guide to Internet Safety (Federal Bureau of Investigation)
- Sexting: What Parents Need to Know (Nemours Foundation)
- Talking to Kids and Teens About Social Media and Sexting (American Academy of Pediatrics)
- Teaching Kids to Be Smart About Social Media (Nemours Foundation)
- Understanding Mobile Apps (Federal Trade Commission)

Journal Articles

References and abstracts from MEDLINE/PubMed (National Library of Medicine)

Internet Safety

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For most kids and teens, technology is an important part of their lives. They browse the Web for information, use social networking sites, text, and chat. But there can also be dangers, and it is important for parents to monitor their children's use and teach them how to be safe online:

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Privacy, Identity & Online Security

Your personal information is a valuable commodity. It's not only the key to your financial identity, but also to your online identity. Knowing how to protect your information — and your identity — is a must in the 21st century. Here are some tips to doing it effectively.

KIDS & computer security

Limiting Unwanted Calls & Emails

Some phone calls and emails are important, some can be annoying, and others are just plain illegal. Learn how to reduce the number of unwanted messages you get by phone and online.

Protecting Kids Online

The opportunities kids have to socialize online come with benefits and risks. Adults can help reduce the risks by talking to kids about making safe and responsible decisions.

Online Security

Related Items

Five Ways to Help Protect Your Identity

- Identity Theft
- Credit Freeze FAQs
- How to Keep Your Personal Information Secure
- Spam
- Kids and Socializing Online

Recent Blog Posts

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Bullying

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Bullying

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Summary

Bullying is when a person or group repeatedly tries to harm someone who is weaker or who they think is weaker. Sometimes it involves direct attacks such as hitting, name calling, teasing or taunting. Sometimes it is indirect, such as spreading rumors or trying to make others reject someone.

Often people dismiss bullying among kids as a normal part of growing up. But bullying is harmful. It can lead children and teenagers to feel tense and afraid. It may lead them to avoid school. In severe cases, teens who are bullied may feel they need to take drastic measures or react violently. Others even consider suicide. For some, the effects of bullying last a lifetime.

Centers for Disease Control and Prevention

Start Here

- Bullying (National Institute of Child Health and Human Development)
- Bullying: It's Not OK (American Academy of Pediatrics)
- Dealing with Bullies (Nemours Foundation)
Available in Spanish
- Helping Kids Deal with Bullies (Nemours Foundation)
Available in Spanish
- What Is Bullying? (Health Resources and Services Administration)

Latest News

MedlinePlus information from the National Institutes of Health and other federal government Web sites. See external links for more information.

Get Bullying Info

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Related Topics

- Child Mental Health
- School Health
- Teen Mental Health
- Teen Violence

What You Can Do | Blog | Newsroom | Images | Videos | Resources | Policies & Laws | **Español**

stopbullying.gov **SEARCH**

WHAT IS BULLYING **CYBER BULLYING** **WHO IS AT RISK** **PREVENT BULLYING** **RESPOND TO BULLYING** **GET HELP NOW**

FEATURES

- New Blog
- Report Cyberbullying
- KnowBullying App
- Be More Than a Bystander

Bullying Performance Measures Selected by 17 States and Jurisdictions in MCH Block Grant Program

WHAT YOU CAN DO

Parents **Educators** **Community** **Teens** **Kids**

UPDATES

January 14, 2016
[Bullying Can Happen Anywhere – Online and Offline](#)

December 9, 2015
[Bullying Performance Measure Selected by Seventeen States and Jurisdictions in MCH Block Grant Program](#)

STATE POLICIES & LAWS

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Child Nutrition

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Get Child Nutrition updates by

Summary


A healthy diet helps children grow and learn. It also helps prevent obesity and chronic diseases, such as diabetes. To give your child a nutritious diet

- Make half of what is on your child's plate fruits and vegetables
- Choose healthy sources of protein, such as lean meat, nuts, and
- Serve whole-grain breads and cereals because they are high in fiber
- Broil, grill, or steam foods instead of frying them
- Limit fast food and junk food
- Offer water or milk instead of sugary fruit drinks and sodas

Learn about your children's nutrient requirements. Some of them, such as iron, calcium, and calcium, change as your child ages.

NIH: National Institute of Diabetes and Digestive and Kidney Diseases

Start Here

- [Health and Nutrition Information for Preschoolers](#) (Department of Agriculture)
- [Healthy Eating](#) (Nemours Foundation)
Available in Spanish
- [Helping Your Child: Tips for Parents](#)
 [Parents' Guide to Healthy Eating](#) (National Institute of Diabetes and Digestive and Kidney Diseases)



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CHILDREN

STUDENTS

ADULTS

Preschoolers (2-5 yrs)

Parents and caregivers of children 2-5 years old can explore ways to help preschoolers grow up healthy, play actively every day, develop healthy eating habits, try new foods, and more.

Kids (6-11 yrs)

Offering science-based advice, MyPlate Kids' Place can help kids build healthy meals and to maintain or achieve a healthy weight. Parents and teachers are invited to use the [MyPlate Kids' Place Resources for Parents and Educators](#) for "teachable moments" that will influence children's choices at home and at school. More materials for kids and parents with kids can be found on the [Team Nutrition website](#).

High School Students

The [SuperTracker Nutrition Lesson Plans for High School Students](#) is a series of lesson plans designed to help high school students learn how to build a healthy diet using SuperTracker. Each lesson plan includes learning objectives, detailed instructions, and accompanying resources and handouts.

Using This Information

Teen Mental Health

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Teen Mental Health

Being a teenager is hard. You're under stress to be liked, do well in school, get along with your family, and make big decisions. You can't avoid most of these pressures, and worrying about them is normal. But feeling very sad, hopeless or worthless could be warning signs of a mental health problem.

Mental health problems are real, painful, and sometimes severe. You might need help if you have the signs mentioned above, or if you

- Often feel very angry or very worried
- Feel grief for a long time after a loss or death
- Think your mind is controlled or out of control
- Use [alcohol](#) or [drugs](#)
- Exercise, [diet and/or binge-eat obsessively](#)
- Hurt other people or destroy property
- Do reckless things that could harm you or others

Mental health problems can be treated. To find help, talk to your parents, school counselor, or health care provider.

Get Teen Mental Health updates by email **GO** [What's this?](#)

Start Here

- [Understanding Your Teen's Emotional Health](#) (American Academy of Family Physicians)
Also available in [Spanish](#)

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MEDICAL ENCYCLOPEDIA
[Helping your teen with depression](#)

Substance Abuse and Mental Health Services Administration
SAMHSA

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School and Campus Health

Substance Use and Mental Health

SAMHSA's Efforts

Information for Educators, Students, and Parents

Grants

Publications and Resources

Information for Educators, Students, Parents, and Families

SAMHSA works to increase awareness of behavioral health issues among educators, students, parents, and families by providing helpful information and resources.

Educators

While schools provide a number of programs and activities to promote emotional health and prevent substance use among students, they face unprecedented behavioral health challenges. SAMHSA provides helpful information and resources for a variety of educational settings:

- The [Safe Schools/Healthy Students Initiative Road to Success DVD – 2007](#) tours four grant sites across the country and provides success stories about creating sustainable positive and healthy changes among children, youth, and families.
- [Preventing Suicide: A Toolkit for High Schools – 2012](#) assists high school districts in designing and implementing

SAFE SCHOOLS HEALTHY STUDENTS

talk they hear you **Underage Drinking Prevention**

Data and Statistics

- » [SAMHSA Data: Adolescents](#)
- » [SAMHSA Data: Youth \(under 18 years of age\)](#)
- » [SAMHSA Data: Young Adults \(18-24\)](#)

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Disaster Planning

U.S. National Library of Medicine

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Disaster Preparedness

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Research

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Summary

Preparing for a disaster, like a natural disaster, like a bioterrorist attack or chemical disaster. You should get flood insurance. You should treat basic medical problems like flood insurance.

No matter what kind of disaster, recovery can take time.

Federal Emergency Management Agency

Start Here

- Are You Ready? (Department of Homeland Security) Available in Spanish
- Disaster Recovery

Latest News

- Pediatricians' Group

Related Issues

- Clean Hands Save Lives

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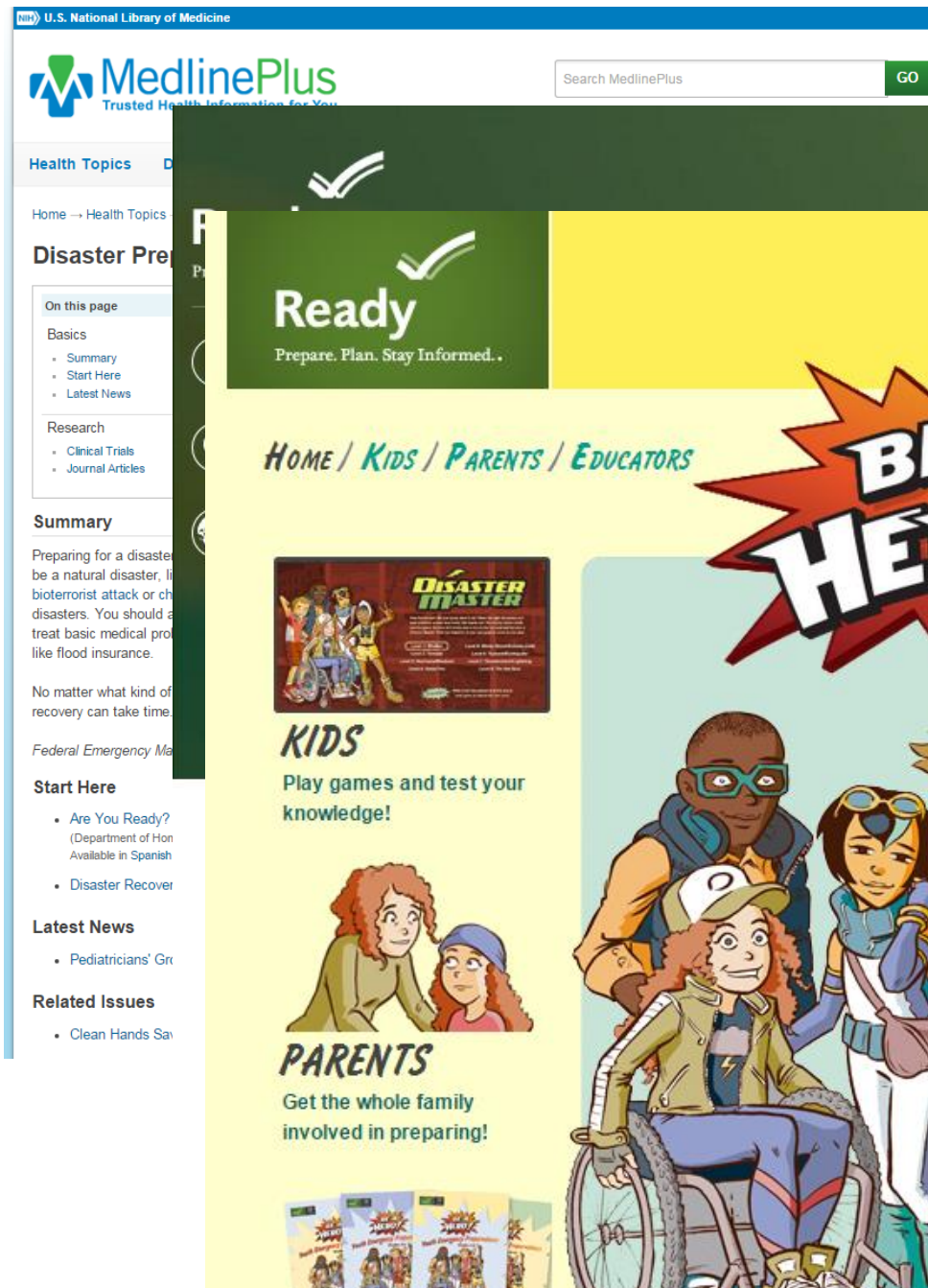
BE A HERO!

MAKE A PLAN / BUILD A KIT / KNOW THE FACTS / GET INVOLVED

KIDS
Play games and test your knowledge!

PARENTS
Get the whole family involved in preparing!

Disasters affect everyone. And so it takes everyone - youth, parents, and community members - to help prepare.



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Piercing and Tattoos

Also called: Body art, Body piercing



Piercings and tattoos are body decorations that go back to ancient times. Body piercing involves making a hole in the skin so that you can insert jewelry. This is often in the earlobe, but can be in other parts of the body. Tattoos are designs on the skin made with needles and colored ink. A permanent tattoo is meant to last forever. Permanent makeup is a type of tattoo.

The health risks of piercings and tattoos include

- Allergic reactions
- Keloids, a type of scar that grows
- Infections, such as hepatitis

To reduce the risks, make sure the piercer has a good reputation. Proper sterilization of tools is important. Follow instructions on caring for your skin.

Holes from piercing usually close up over time. To remove tattoos, but it's painful and expensive.

Get Piercing and Tattoos updates by email

Start Here

- [Body Piercing](#) (American Academy of Dermatology)
- Also available in [Spanish](#)
- [Think Before You Ink: Are You Ready for a Tattoo?](#)



Related Topics

NIH National Institute on Drug Abuse

The Science of Drug Abuse & Addiction

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Among High School Seniors, Driving After Marijuana Use Surpasses Drunk Driving

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NIDA Notes

July 10, 2014

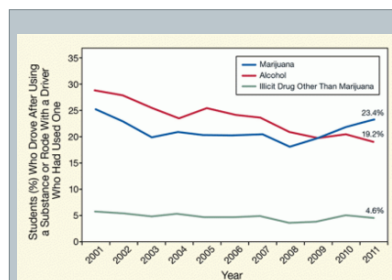
By Eric Sarlin, M.Ed., M.A., NIDA Notes Contributing Writer

Nearly 1 in 6 high school seniors who responded to a 2011 survey reported that, within the past 2 weeks, they had driven a motor vehicle after using an illicit drug or drinking heavily. Nearly 1 in 4 said they had recently ridden in a car with such a driver. Altogether 28 percent had put themselves at risk, within that short time frame, by being in a vehicle whose driver had been using marijuana or another illicit drug, or had drunk 5 or more alcoholic drinks. These rates had all risen nearly 20 percent in only 4 years, due almost entirely to an increase in driving after smoking marijuana.

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from Nemours

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KidsHealth > Parents > School & Family Life > Tough Topics > E-Cigarettes

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About E-Cigarettes

E-cigarettes are being marketed as a safe alternative to smoking. But they're not because e-cigarettes are still putting **nicotine** — a highly addictive drug — into the body.

Lea este artículo en Español

Electronic cigarettes are battery-powered smoking devices often designed to look and feel like regular cigarettes. They use cartridges filled with a liquid that contains nicotine, flavorings, and other chemicals. A heating device in the e-cigarette converts the liquid into a vapor, which the person inhales. That's why using e-cigarettes is known as "vaping."

Because e-cigarettes don't burn tobacco, people don't inhale the same amounts of tar and carbon monoxide as with a regular cigarette. But anyone using an e-cigarette still gets an unhealthy dose of nicotine and other chemicals.

Electronic cigarettes started out being marketed to smokers as a way to help them quit. Now that e-cigarettes have gone mainstream, regulators and scientists are taking note. Expect to see more information coming out about e-cigarettes and their health effects.

The Risks

E-cigarettes don't fill the lungs with harmful smoke, but that doesn't make them a healthy alternative to regular cigarettes.

Anyone who uses ("vapes") an e-cigarette is still putting nicotine — which is absorbed through the lungs — into his or her system. Besides being an addictive drug, nicotine is also toxic in high doses. It was once even used as an insecticide.


Peer Tutor Project

Vital Information for a Virtual Age!

iVIVA!

A PEER TUTOR PROJECT

September 12, 2015



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History	To create student-centered programs for community health outreach.
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Personnel	
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Publications	
Awards	

AWARDS

2003 Texas Library Association Project of the Year


2003 HOSA Student community awareness project

2006 National School Library Media Program of the Year

FUNDED

This project has been funded in whole or in part with Federal funds from the National Library of Medicine, National Institutes of Health, under Contract No. HHSN-276-2011-00007-C with the Houston Academy of Medicine-Texas Medical Center Library.


Download our recently updated [Implementation Guide!](#)


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Health Occupations

Also called: Health careers, Health professions, Medical occupations, Medical professions



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Summary

Every day, around the clock, people who work in the health care industry provide care for millions of people, from newborns to the very ill. In fact, the health care industry is one of largest providers of jobs in the United States. Many health jobs are in hospitals. Others are in nursing homes, doctors' offices, dentists' offices, outpatient clinics and laboratories.

To work in a health occupation, you often must have special training. Some, like doctors, must have more than 4 years of college.

Bureau of Labor Statistics


Start Here

- Occupational Outlook Handbook: Healthcare Occupations (Bureau of Labor Statistics)
Available in Spanish


Latest News

- Small Number of Doctors Trigger Big Share of Malpractice Payouts (01/27/2016, HealthDay)
- More Than a Quarter of New Doctors May Be Depressed (12/08/2015, HealthDay)
- Many U.S. Primary Care Docs Feel Unprepared for Complex Cases (12/07/2015, HealthDay)
- More News on Health Occupations

Related Issues



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Types of health care providers

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NIH MedlinePlus Magazine

Life Works: Explore Health and Medical Science Careers

Mentoring in Medicine Program Encourages Careers in Health

MedlinePlus links to health information from the National


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U.S. Department of Health & Human Services

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- Accreditation Boards
- Career Resources
- Professional Societies
- International Societies
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Graduate Programs in Toxicology

- Academic and Postdoctoral Programs and Web Sites
Society of Toxicology

Programs in Environmental Science and Environmental Health Sciences

- Association of Environmental Health Academic Programs
- Current Affiliates of the National Council for Science and the Environment
- Environmental Internship Clearinghouse
- National Council for Science and the Environment
- National Environmental Health Science and Protection Accreditation Council (EHAC)

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- Medical Toxicology Education Service
University of Virginia
- Texas Tech University Health Sciences Center Medical Toxicology Fellowship Program
- Training Programs for Medical Toxicology
Compiled by the American College of Medical Toxicology
- Toxikon Medical Toxicology Fellowship Program

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- Post-Graduate Training Opportunities in Occupational & Environmental Medicine
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Careers in Genetics

The study of genetics and genomics is improving our understanding of the biology of health and disease, and that of our biological world in ways that was never before possible. These advancements have wide applications to biology, health, and society. Opportunity to use training in genetics and genomics exists in a range of fields, including in medicine, academic research, law, journalism, agriculture, commercial industries, and education to name a few.

Becoming a Scientist

Description: Detailed articles, video interviews with various scientists, and additional information resources for students curious about becoming a scientist

Source: Cold Spring Harbor Laboratory | URL: <http://library.cshl.edu/oralhistory/topic/scientific-experience/becoming-scientist/>

Careers in Human Genetics

Description: Information on careers in human genetics

Source: The American Society of Human Genetics | URL: <http://www.ashg.org/education/careers.shtml>

Genetic Counseling

Description: Genetic counselors are health professionals who help people faced with the possibility of a genetic disease to make informed decisions about their futures.

Source: Genome Research Limited and Wellcome Trust Sanger Institute | URL: <http://www.yourgenome.org/stories/genetic-counselling>

GeneticsCareers.org

Description: Explore real genetics career job postings on this site developed by The American Society of Human Genetics and the Genetics Society of America

Source: GeneticsCareers.org | URL: <http://geneticscareers.org>

Genomic Careers - Find Your Future

Description: Video interviews with genomic professionals, information on genomic careers, a tool for rating your favorite genomic careers, and an opportunity to test your knowledge of careers in this field

Source: National Human Genome Research Institute | URL: <http://www.genome.gov/GenomicCareers/index.cfm>

Genomics: Towards a Healthier You

Description: A webcast presenting information on why genetics is important to health, plus information on genetic counseling as a career. The singer and performer T-Boz shares her personal story about living with sickle cell anemia as one example of genetic health issues.

Source: National Human Genome Research Institute | URL: <https://www.youtube.com/watch?v=Q5ZrowNN7MQ>

NLM Traveling Exhibits



CELEBRATING AMERICA'S WOMEN PHYSICIANS

Changing *the face*
of Medicine

HOME

RESOURCES

AC

Careers

Lesson Plans

Higher Education

Is a Medical Career for you?

Undergraduate Education

Medical School

Residency & Fellowships

Practicing Medicine

* CAREERS

Think you might be inter
world? Explore the res

* IS A MEDICAL CAREER FOR YOU?

- What is a career in medicine like? Why do people choose med
experience in a medical environment? How expensive is it? Ac
this fascinating field.

* UNDERGRADUATE EDUCATION

- The first step to a promising career in medicine is to get a goo
practical information on the types of courses to take while you
medical school, the broad range of medical careers open to yo
education.

* MEDICAL SCHOOL

- Once you are in medical school, you will be launched on a cha
elective opportunities in the fourth year, medical specialties, o
training programs, and medically focused financial aid opportu

* RESIDENCY AND FELLOWSHIPS

- Once you complete medical school, you need to enter a reside
depending on the medical specialty you choose. After that, yo
additional medical training if you want to become highly specia
residencies and learn about fellowship opportunities, the requi
resources and organizations available to help you along the w

* PRACTICING MEDICINE

PHYSICIAN ASSISTANTS

Collaboration and Care



EXHIBITION
PROGRAM

Exhibition: Part of a Team

HOME • EXHIBITION • EDUCATION • CREDITS

Introduction

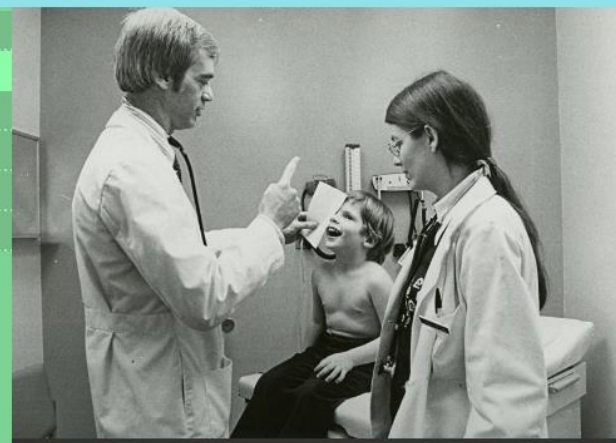
Part of a Team

Diversity Makes a Difference

Collaboration with New Partners

Respond to Community Needs

Care Around the World



▼ PREVIOUS | NEXT ▲

1 of 8

A PA student (right) from George Washington University observes a doctor performing an eye exam during a rotation, Washington, DC, ca. 1970s

Courtesy National Library of Medicine

PREVIOUS | NEXT (1/8)

PAs are educated and trained to collaborate with other health professionals. During their coursework and clinical training, PAs learn from and work with physicians, other PAs, nurses, and additional health care professionals in a variety of settings.

American physician Eugene Stead created the profession's partner-based foundation. He modeled it after the collaborative relationship between Dr. Amos Johnson and his assistant, Buddy Treadwell, who had worked together in rural North Carolina since the 1940s. Dr. Stead opened the first academic PA program at Duke University in 1965, which educated students to

NLM Traveling Exhibit: Native Voices

NATIVE PEOPLES' CONCEPTS OF HEALTH AND ILLNESS



EXHIBITION | INTERVIEWS | TIMELINE | **RESOURCES** | VISIT

Search...

CAREERS IN MEDICINE AND SCIENCES

- > High School
- > Higher Education
- > Post-Graduate / Medical Schools

LESSON PLANS & ADDITIONAL RESOURCES

ONLINE ACTIVITIES

SUGGESTED READINGS

HEALTH HEADLINES

High School

American Indian Science and Engineering Society (AISES) Pre-College Programs

<http://www.aises.org/what/programs/precollege>
AISES offers a variety of programs for Native high school students, including annual national and international science and engineering fairs, summer math and science camps, and technology-based initiatives.

ASPIRINGDOCS.ORG® by the Association of American Medical Colleges (AAMC)

<http://www.aspiringdocs.org>
ASPIRINGDOCS.ORG® is supported by AAMC to increase diversity in medicine. The FAQs & Resources section will help high school students consider a career in medicine, as well as help them navigate through the process of getting into and paying for medical school.

Association of American Indian Physicians (AAIP) Patty Iron Cloud National Native American Youth Initiative

<http://aaip.site-ym.com/?page=NNAYI>
This annual program takes place in Washington, D.C. and is designed for American Indian and

Medicine/Health

Anatomy

Home → Health Topics → Blood

Blood

On this page

Basics

- Summary
- Start Here
- Latest News
- Diagnosis

Research

- Statistics
- Clinical Trials
- Journal Articles

Summary

Your blood is made of water, salts, and blood cells, which carry oxygen and nutrients to your body.

Red blood cells carry oxygen and fight infection and or wound. Blood is constantly circulating about 6 days.

Problems with blood can cause you lose too much weight.

Start Here

- Blood
- Available

Gas

Also called: Belch, Burp, Eructation, Flatulence, Flatus

On this page

Basics

- Summary
- Start Here
- Treatments and Therapies

Learn More

- Living With

See, Play and Learn

- Health Check Tools

Research

- Clinical Trials
- Journal Articles

Resources

- Reference Desk
- Find an Expert

For You

- Children
- Patient Handouts

Summary

Everyone has gas. Most people pass gas 13 to 21 times a day. Passing gas through the mouth is called belching or burping. Passing gas through the anus is called flatulence. Most of the time gas does not have an odor. The odor comes from bacteria in the large intestine that release small amounts of gases that contain sulfur.

Gas in the digestive tract comes from two sources: air that you swallow and the breakdown of undigested food by bacteria in the large intestine. Certain foods may cause gas. Foods that produce gas in one person may not cause gas in another.

You can reduce the amount of gas you have by

- Drinking lots of water and non-fizzy drinks
- Eating more slowly so you swallow less air when you eat
- Avoiding milk products if you have [lactose intolerance](#)

Medicines can help reduce gas or the pain and bloating caused by gas. If your symptoms still bother you, see your health care provider.

NIH: National Institute of Diabetes and Digestive and Kidney Diseases



ADAM

Get Gas updates by email

GO

MEDICAL ENCYCLOPEDIA

[Abdominal bloating](#)

[Belching](#)

[Bland diet](#)

[Gas - flatulence](#)

Related Health Topics

[Abdominal Pain](#)

KidsHealth: Information on Body

The image shows a screenshot of the KidsHealth website. The left sidebar, under the 'KidsHealth from Nemours' logo, contains a search bar and a list of categories. The 'Body' category is highlighted with a red oval. The main content area shows the 'TeensHealth from Nemours' header with navigation links for 'For Parents', 'For Kids', and 'For Teens'. The 'Body' category is also highlighted with a red oval in the sidebar. The main content area features a 'Flu Facts' section with a photo of a young man, a 'featured articles' section with a 'Hot Topics' list, a 'TAKE 5 Tips for Life' section, a 'Quiz' section, and an 'Expert Answers on...' section. The footer includes a 'Making a Change' logo and a link to the KidsHealth Home page.

KidsHealth
from Nemours

Search here...

How the Body Works
Puberty & Growing Up
Staying Healthy
Recipes & Cooking
Staying Safe
Health Problems
Illnesses & Injuries
Health Problems of Grown Ups
People, Places & Things That Help
Feelings
Q&A
Movies & More
Quizzes
Games
Kids' Medical Dictionary
En Español

TeensHealth
from Nemours

For Parents For Kids For Teens

Search here...

Body
Mind
Sexual Health
Food & Fitness
Diseases & Conditions
Infections
Q&A
School & Jobs
Drugs & Alcohol
Staying Safe
Recipes
En Español

Flu Facts

featured articles

Hot Topics

- Cold-Weather Sports
- Am I in a Healthy Relationship?
- Be Your Best Self
- Smart Snacking
- Losing Weight Safely

TAKE 5

Tips for Life

5 ways to fight depression and feel better.

Find Out More >>

Quiz

After a person has been infected with mono, how long does it take for symptoms to show up?

- A 1 to 2 weeks
- B 2 to 4 weeks
- C 4 to 6 weeks

Expert Answers on...


I go to bed on time but sometimes I lie there for a while and can't fall asleep. What should I do?



Find Out More >>

Making a Change
Your Personal Plan


KidsHealth Home / Sign up for our weekly newsletter for teens

PubMed


 NCBI

Resources  How To 

Sign in to NCBI

 PubMed

US National Library of Medicine
National Institutes of Health

PubMed 

Search

Advanced

Help



PubMed

PubMed comprises more than 27 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

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- [Full Text Articles](#)
- [PubMed FAQs](#)
- [PubMed Tutorials](#)
- [New and Noteworthy](#)

PubMed Tools

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- [Single Citation Matcher](#)
- [Batch Citation Matcher](#)
- [Clinical Queries](#)
- [Topic-Specific Queries](#)

More Resources

- [MeSH Database](#)
- [Journals in NCBI Databases](#)
- [Clinical Trials](#)
- [E-Utilities \(API\)](#)
- [LinkOut](#)

Latest Literature

New articles from highly accessed journals

- [Am J Clin Nutr](#) (5)
- [Blood](#) (2)
- [Cochrane Database Syst Rev](#) (5)
- [J Biol Chem](#) (8)
- [JAMA](#) (2)
- [Lancet](#) (2)
- [N Engl J Med](#) (6)
- [Nature](#) (38)
- [PLoS One](#) (117)
- [Proc Natl Acad Sci U S A](#) (4)

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Trending Articles

PubMed records with recent increases in activity

- The lung is a site of platelet biogenesis and a reservoir for haematopoietic progenitors. [Nature](#). 2017.
- Eating dependence and weight gain; no human evidence for a 'sugar-addiction' model of overweight. [Appetite](#). 2017.
- Changes in body composition and performance with supplemental HMB-FA+ATP. [J Strength Cond Res](#). 2017.
- Antigen presentation profiling reveals recognition of lymphoma immunoglobulin neoantigens. [Nature](#). 2017.
- Protein intake distribution pattern does not affect anabolic response, lean body mass, muscle strength or function over 8 weeks in older adults: A randomized-controlled trial. [Clin Nutr](#). 2017.

[See more](#)


PubMed Commons

Featured comments

- Markov models applied to total knee arthroplasty: A Messori discusses characteristics & links to a model. [bit.ly/2mAlO6M](#) Mar 24
- Letter chain: S Ray (@soupvector) links association's reply to letter on recommendations for hepatitis treatment. [bit.ly/2moYGHK](#) Mar 23
- Nitrogenase or nitrogenase-like? T Cardona notes alternative pathway to consider in interpreting LUCA sequences. [bit.ly/2mndqac](#) Mar 22
- Illuminating luciferase methods: M Koksharov (@galosgann) inquires about assay & application details. [bit.ly/2mNDfTN](#) Mar 20
- Children's altruism & religious affiliation: @StuartBuck1 summarizes & links to study critique. [bit.ly/2mXrc3j](#) Mar 17

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- [Utilities Announce Mail List](#)
- [Tagging Guidelines Mail List](#)

Other Resources

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- [Text Mining Collections](#)
- [Developer Resources](#)
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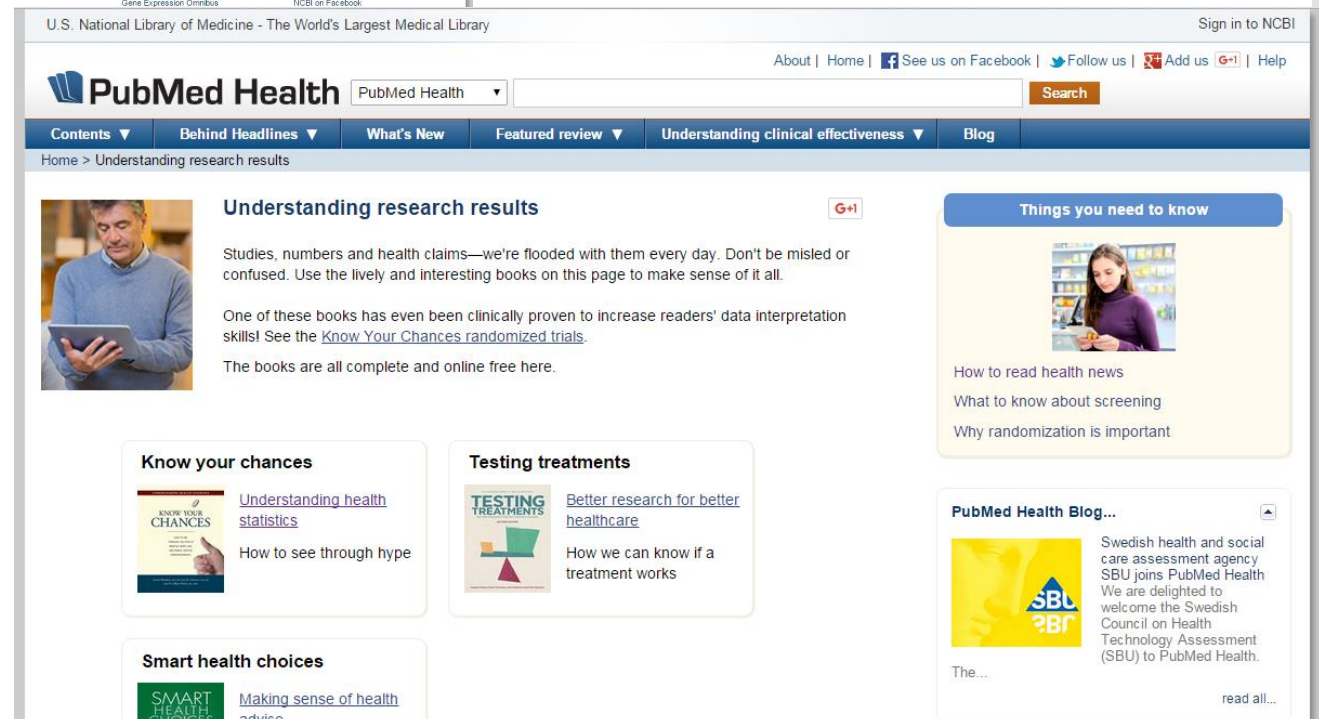
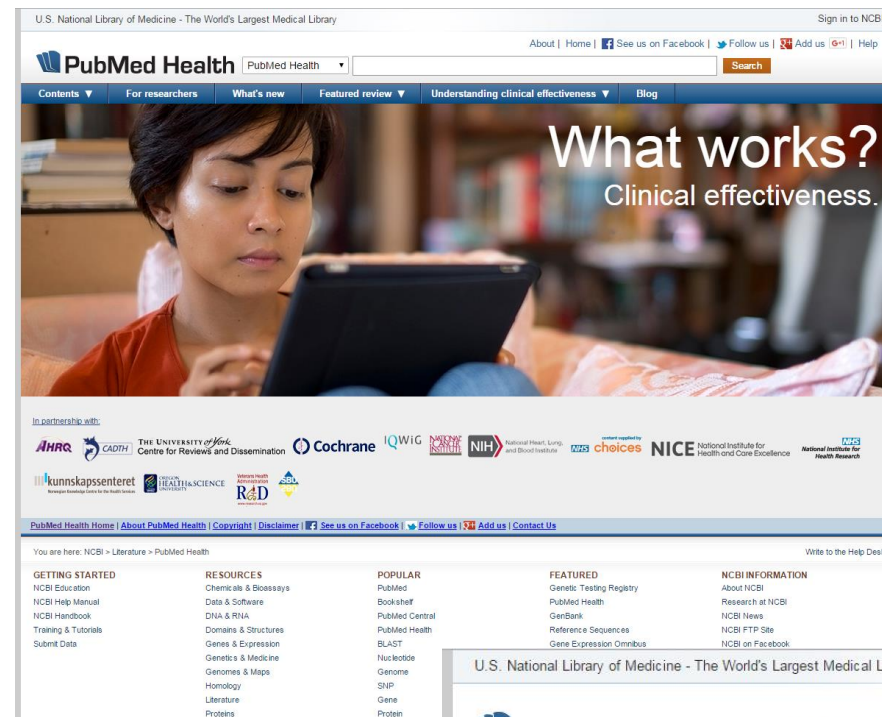
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PubMed Health



Environmental Health

MedlinePlus

U.S. National Library of Medicine



Trusted Health Information for You

Health Topics

Home → Health Topics

Ozone

Summary

Ozone is a gas. It c
10 to 30 miles abov
ozone layer is gone
may get too much u
immune system probl

"Bad" ozone is at gr
chemically with sunl
bad ozone can be h
and emphysema. It

Environmental Protection Agency

Latest News

- High Ozone Levels

Resources


- Greenhouse Gases
- Ozone (Environmental Protection Agency)
- Ozone Air Pollution (Mayo Foundation)
- Ozone Generation (Environmental Protection Agency)
- Ozone: Good and Bad (Environmental Protection Agency)
- Tox Town (National Library of Medicine) Available in Spanish
- You Can Help

Clinical Trials

- Clinical Trials

Journal Articles

U.S. National Library of Medicine



Trusted Health Information for You

Health Topics

Drugs & Supplements

Home → Health Topics → Environmental Health

Environmental Health

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- Related Issues
- Specifics

See, Play and Learn

- Videos and Tutorials

Research

- Statistics and Research
- Clinical Trials
- Journal Articles

For You

- Children
- Patient Handouts

Summary

Even if you use them properly, many chemicals can still harm human health and the environment. When you throw these substances away, they become hazardous waste. Some hazardous wastes come from products in our homes. Our garbage can include such hazardous wastes as old batteries, bug spray cans and paint thinner. U.S. residents generate 1.6 million tons of household hazardous waste per year. Hazardous waste is also a by-product of manufacturing.

You may have hazardous wastes in your basement or garage. How do you get rid of them? Don't pour them down the drain, flush them, or put them in the garbage. See if you can donate or recycle. Many communities have household hazardous waste collection programs. Check to see if there is one in your area.

Environmental Protection Agency

Start Here

- Household Products Database (National Library of Medicine)


Related Issues

- ToxFAQs (Agency for Toxic Substances and Disease Registry)
- TOXNET: Toxicology Data Network (National Library of Medicine) - Databases on toxicology, hazardous chemicals, and related areas

Specifics

- Best Way to Get Rid of Used Needles and Other Sharps (Food and Drug Administration)
- Volatile Organic Compounds (VOCs) (Environmental Protection Agency, Indoor Environments Division)

U.S. National Library of Medicine



Trusted Health Information for You

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Hazardous Waste

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- Volatile Organic Compounds (VOCs) (Environmental Protection Agency, Indoor Environments Division)

Get Hazardous Waste updates by email

Enter email address

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MEDICAL ENCYCLOPEDIA

Hazardous materials


Related Health Topics


Environmental Health


National Institutes of Health

The primary NIH organization for research on Hazardous Waste is the National Institute of Environmental Health Sciences

Environmental Health & Toxicology

 U.S. Department of Health & Human Services

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Topics of Interest

- [Find Information About... Especially For...](#)
- [Search TOXNET® Databases](#)
- [Other Professional Resources](#)
- [Resources for the Public](#)
- [Enviro-Health Links](#)
- [Guides & Tutorials](#)

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- [Database Descriptions](#)
- [Which Resource Should I Use?](#)
- [SIS News](#)
- [Conference Exhibit Schedule](#)

A to Z Index of Resources

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S	T	U	V	W	X	Y	Z	#

Especially for students and educators

Starting Points

- #### Environmental Health Student Portal

Educational resources for middle school students and teachers on how the environment effects health
- #### Tox Town

Interactive guide to toxic substances and environmental health issues in everyday places
- #### ToxMystery

Provides a fun experience while teaching about household chemical hazards. For children from 7-11 years old
- #### Toxicology Tutorials

Basic toxicology principles written at the introductory college student level
- #### Household Products Database

Safety and health information for products used in and around the home
- #### TOXMAP

Geographic representation of TRI data with links to other TOXNET resources

 - [TOXMAP: Resources for Teachers](#)

Environmental Health Student Portal



National Library of Medicine

Environmental Health Student Portal

Connecting Middle School Students to Environmental Health Information

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Air Pollution

Chemicals

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For Teachers



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Print this Page

What is Environmental Health ?

Environmental Health is the interrelationship between human health and the environment, either natural or manmade.

[Learn More](#)



Interested in a trailer of our animations about characteristics, uses, and health effects of hazardous chemicals?

Please, click here to preview.



Air Pollution



Chemicals



Climate Change



Water Pollution

ToxTown



Unit 1: Water Quality

Unit 2: Air Quality

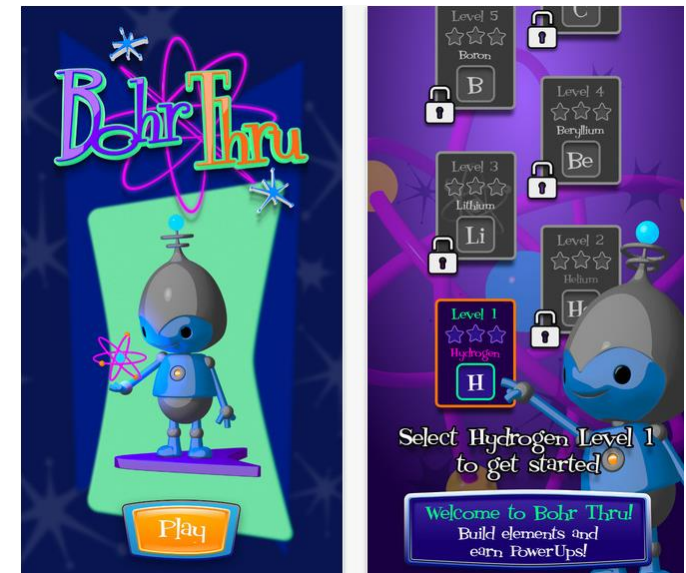
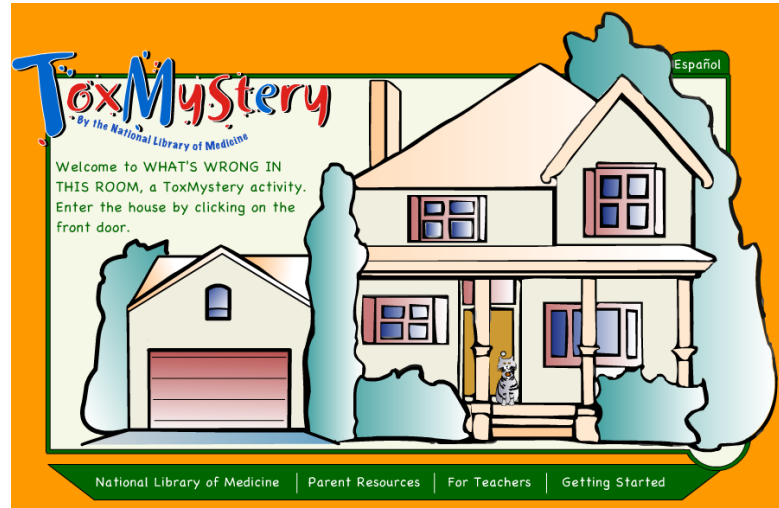
Unit 3: Chemicals in Your Home

Unit 4: Food Safety

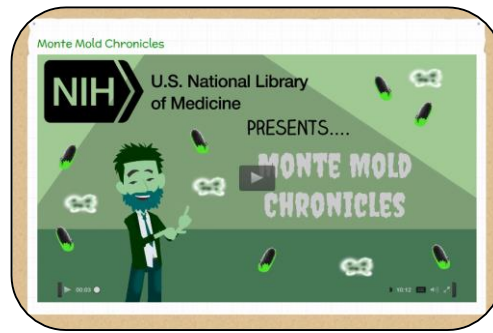
Unit 5: Runoff, Impervious Surfaces, and Smart Development

Unit 6: The Great Debate: Bottled Water vs. Tap Water in Our Schools

Educational Games



NLM Animation



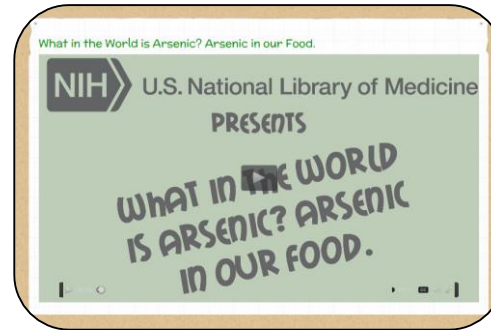
Mold



Ozone



Particulate Matter



Arsenic



Lead



Mercury



Pesticides



Plastics

Household Products Database (HPD)



U.S. Department of Health & Human Services



Household Products Database

Health & Safety Information on Household Products

www.hhs.gov
National Institutes of Health
National Library of Medicine
Specialized Information Services 

[Home](#) [Products](#) [Manufacturers](#) [Ingredients](#) [Health Effects](#)

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Product, Manufacturer etc... 

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- [Inside the Home](#)
- [Pesticides](#)
- [Landscape/Yard](#)
- [Personal Care](#)
- [Home Maintenance](#)
- [Arts & Crafts](#)
- [Pet Care](#)
- [Home Office](#)
- [Commercial / Institutional](#)

Browse A-Z

- [Product Names](#)
- [Types of Products](#)
- [Manufacturers](#)
- [Ingredients](#)

Support

- [About the Database](#)
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What's under your kitchen sink, in your garage, in your bathroom, and on the shelves in your laundry room? Learn more about what's in these products, about potential health effects, and about safety and handling.



Auto Products

Brake Fluid, De-icer, Lubricant, Sealant, and more...



Inside the Home

Air Freshener, Bleach, Cleaners, Toilet Bowl Cleaner, and more...



Pesticides

Animal Repellant, Fungicide, Herbicide, Insecticide, and more...



Landscape/Yard

Fertilizer, Lawn Care, Swimming Pool Products, and more...



Personal Care

Antiperspirant, Hair Spray, Makeup, Shampoo, Soap and more...



Home Maintenance

Caulk, Grout, Insulation, Paint, Putty, Stain, and more...



Arts & Crafts

Adhesive, Glaze, Glue, Primer, Varnish, and more...



Pet Care

Flea & Tick Control, Litter, Stain/Odor Remover, and more...




Home Office

Ink, Toner, Correction Fluid, Electronics Cleaners, Pens and more...

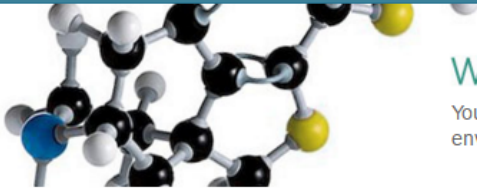
For advice if someone is poisoned, call your local Poison Center at 1-800-222-1222.

TOXNET

 U.S. National Library of Medicine

TOXNET TOXICOLOGY DATA NETWORK

Mobile | Help | FAQs | TOXNET Fact Sheet | Training Manual & Schedule



Welcome to TOXNET

Your resource for searching databases on toxicology, hazardous chemicals, environmental health, and toxic releases

Share

SEARCH TOXNET Search all or select specific databases

BROWSE

ADVANCED SEARCH

e.g. benzene, endocrine disruptor

ALL DATABASES

Search

TOXNET Databases

MOST VISITED BY TOXNET USERS

[HSDB](#)
Hazardous Substances Data Bank. Peer-reviewed toxicology data for over 5,000 hazardous chemicals

[TOXLINE](#)
4 million references to literature on biochemical, pharmacological, physiological, and toxicological effects of drugs and other chemicals

[ChemIDplus](#)
Dictionary of over 400,000 chemicals (names, synonyms, and structures)

BREASTFEEDING & DRUGS

[LactMed](#)
Drugs and Lactation Database. Drugs and other chemicals to which breastfeeding mothers may be exposed

DEVELOPMENTAL TOXICOLOGY LITERATURE

[DART](#)
Developmental and Reproductive Toxicology Database. References to developmental and reproductive toxicology literature

CHEMICAL RELEASES & MAPPING

[TOXMAP](#)
TOXMAP: Environmental Health Maps provides searchable, interactive maps of EPA TRI and Superfund data, plus US Census and NCI health data

[TRI](#)
Toxics Release Inventory. Annual environmental releases of over 600 toxic chemicals by U.S. facilities

GENOMICS

[CTD](#)
Comparative Toxicogenomics Database. Access to scientific data describing relationships between chemicals, genes and human diseases

HOUSEHOLD PRODUCT SAFETY

[Household Products Database](#)
Potential health effects of chemicals in more than 10,000 common household

Environmental Health & Toxicology

Resources on environmental health and toxicology

Visit Site


Did you know

There is a guide to choosing a database

Which Resource Should I Use can help you pick the right resource for your search.

More FAQs

Arctic Health



ARCTIC HEALTH

An information portal to issues affecting the health and well-being of our planet's northernmost inhabitants.

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Governments and Organizations

Welcome!

The Arctic Health website is a central source for information on diverse aspects of the Arctic environment and the health of northern peoples. The site gives access to evaluated health information from hundreds of local, state, national, and international agencies, as well as from professional societies and universities. In addition, our own always expanding [Arctic Health Publications Database](#), (currently more than 250,000 records), can help you find Arctic-specific articles, out of print publications and information from special collections held in the [Alaska Medical Library](#).

The Arctic Health website is sponsored by the National Library of Medicine's [Division of Specialized Information Services](#) and maintained by the University of Alaska Anchorage's [Alaska Medical Library](#).



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United States
National Library of Medicine
National Institutes of Health

Genomics/Genetics


Genetics Home Reference

 U.S. NATIONAL LIBRARY OF MEDICINE




 Genetics
Home
Reference

Your Guide to Understanding
Genetic Conditions

Search 

Health ConditionsGenesChromosomes & mtDNAResourcesHelp Me Understand Genetics


Genetics Home Reference provides consumer-friendly information about the effects of genetic variation on human health.




Health Conditions

More than 1,100 health conditions, diseases, and syndromes


[Browse A-Z](#)





Genes

More than 1,300 genes and the health effects of genetic



New & Updated


New

- cryptogenic cirrhosis
- fibrochondrogenesis
- DOLK-congenital disorder of glycosylation
- Past 12 Months

Updated

- Moebius syndrome
- Poland syndrome
- spondyloepiphyseal dysplasia congenita

GeneEd




GeneEd *Genetics, Education, Discovery*


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[Home](#) [Topics](#) [Labs & Experiments](#) [Teacher Resources](#) [Careers in Genetics](#) [Highlights](#)


search... [GO](#)




Cell Biology
The study of the cell, including mitosis and meiosis




Genetic Conditions
Conditions caused by gene variations or mutations




DNA Forensics
The application of genetic testing for legal purposes




DNA, Genes, Chromosomes
The building blocks of inheritance




Evolution
Processes by which organisms are changed over time




Top Issues In Genetics
Select genetic topics of popular interest




Heredity/Inheritance Patterns
The genetic transmission of traits




Biostatistics
The use of mathematics to investigate life science related problems



Epigenetics/Inheritance and the Environment
The genome's dynamic response to the environment



Biotechnology
Biological techniques used to enhance products



National Human Genome Research Institute



Search Genome.gov



Research Funding

Research at NHGRI

Education

Educational materials about genetics and genom



Smithsonian NHGRI Genome Exhibition

A genomics exhibition from the Smithsonian and NHGRI



Genomic Careers

Information on careers in genomics and genetics



Online Genetic Education Resource

A list of online resources for learning about genomics and genetics

Highlights

The 2017 National DNA Day Essay Contes



Geared to students grade
(ASHG) DNA Day Essay Contest
examine, question and reflect
students to describe a disease
therapy might repair the und
2017, at 5 p.m. U.S. Eastern

Harry Potter and the Genetics of Wizarding



For NHGRI's National DNA
University presented *Harry P*
the NIH campus in Building
YouTube channel, Genome1
students place new informat



Celebrating Genomics Through Awareness

Find Events

Register An Event

Get Starter Kit

Celebrate With NHGRI

Get Activity Ideas

About DNA Day



National DNA Day is a unique day when students, teachers and the public can learn more about genetics and genomics! The day commemorates the completion of the Human Genome Project in April 2003, and the discovery of DNA's double helix in 1953.
[Subscribe to our newsletter!](#)

Find Events In Your Area



The National DNA Day Network has events all over the country. Find an event near you to celebrate DNA Day.

Chat With Geneticists in the "Ask Me Anything" Series



Stay tuned for all of the new DNA Day events coming your way soon. Check out events from 2016.

Join @DNADay For a Twitter Chat

#DNADay17



Plan an Event

APRIL

25

NLM Traveling Exhibits



HARRY POTTER'S WORLD
RENAISSANCE SCIENCE, MAGIC, AND MEDICINE

Home Exhibition Education Resources Traveling Information Exhibition Program

MIDDLE & HIGH SCHOOL HIGHER EDUCATION ONLINE ACTIVITIES BIBLIOGRAPHY

[English Lesson Plan](#) [Science Lesson Plan](#)

**GENETIC TRAITS
IN *HARRY POTTER***

[Learning Outcomes](#) [Background Information](#) [Vocabulary](#) [Materials](#)

[Pre-Lesson](#) [Lesson 1](#) [Lesson 2](#) [Evaluations](#) [Extension](#) [Standards](#)

Grade Level: 7th–11th grades

Time Needed:

- Four 40-minute class periods for younger students with little knowledge of genetics (two periods for Pre-lesson Activity and two for Lesson 1 and Lesson 2)
- Two 40-minute class periods for older students with strong knowledge of genetics (one period for Pre-lesson Activity and one for Lesson 2)

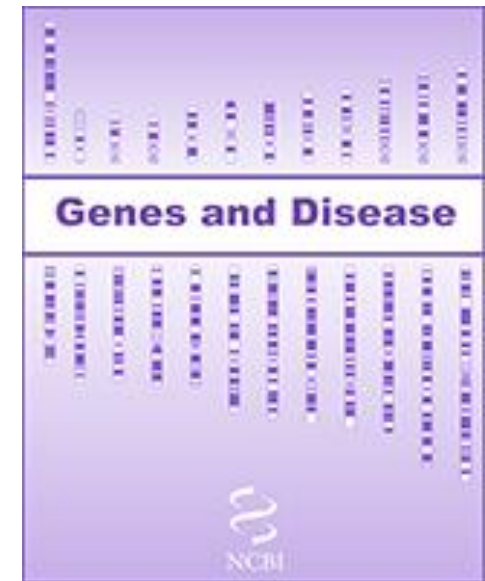
Description: The purpose of this lesson is to give students an introductory understanding of genetic inheritance. Students will learn about heterozygous, recessive and dominant genes, genotype, phenotype, complex traits, Mendelian inheritance, and Punnett Squares in *Harry Potter*. Students also examine inheritance patterns of magical ability in *Harry Potter*, and use the concepts they have learned to predict the magical ability of their own characters.

Note: The purpose of this lesson is to give students an introductory understanding of genetic inheritance. Therefore, the materials and activities are designed to be accessible to a wide range of students.

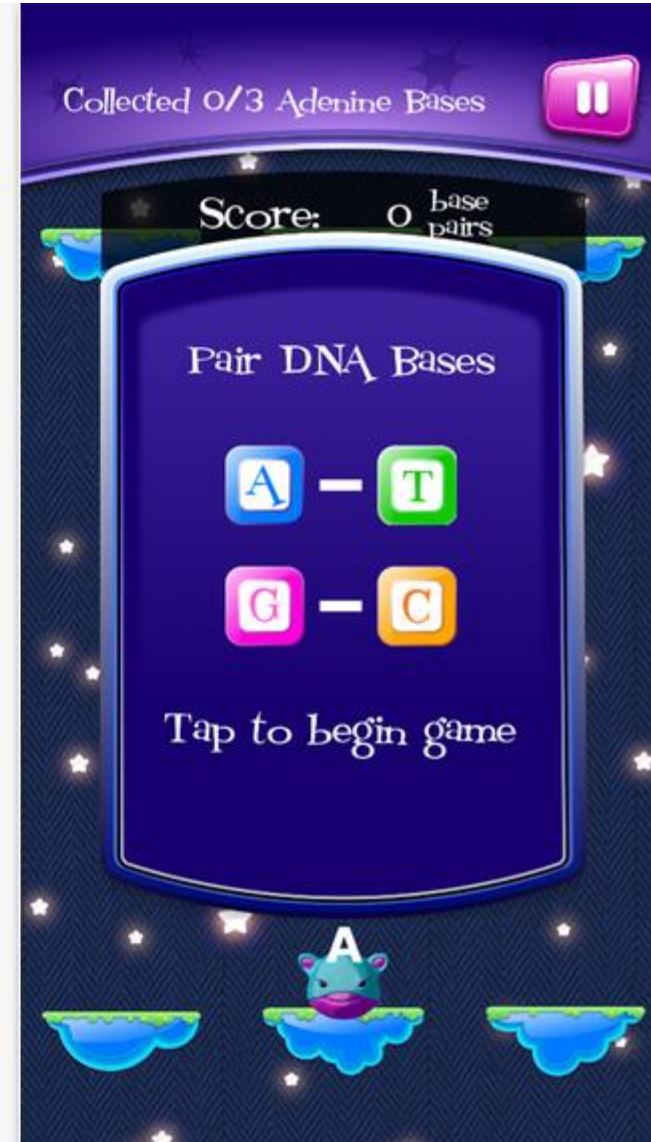
NCBI Bookshelf

Genes and Diseases

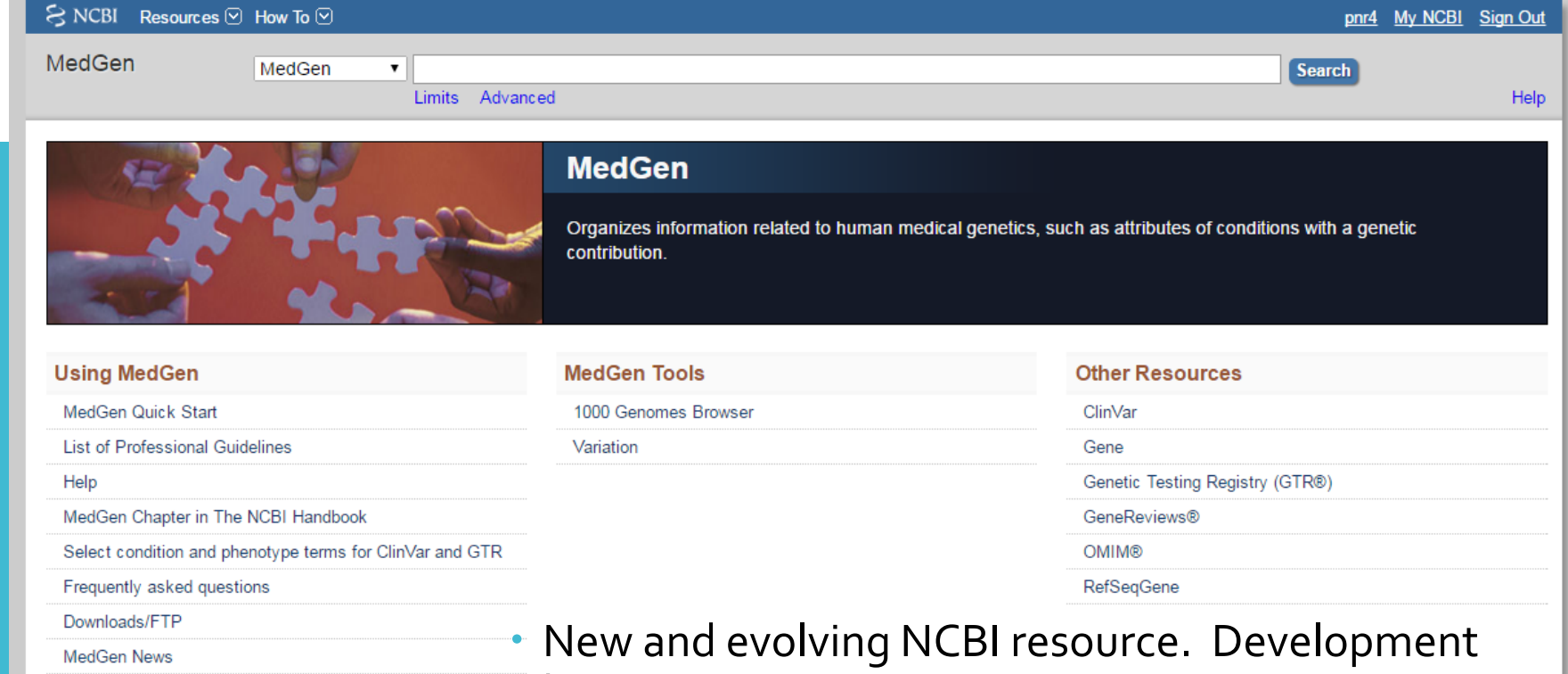
- Organized by the parts of the body that genetic disorders affect.
- Over 80 genetic disorder summaries.
- Images and interesting facts.
- PDF downloads of chapters.
- Links to related research literature and pertinent websites.



Base Chase



MedGen



The screenshot shows the MedGen website interface. At the top, there is a navigation bar with links for NCBI, Resources, and How To. Below this is a search bar with the text 'MedGen' and a dropdown menu. To the right of the search bar are links for 'Limits', 'Advanced', and 'Help'. The main content area features a large banner image of hands assembling puzzle pieces, with the text 'MedGen' and a description: 'Organizes information related to human medical genetics, such as attributes of conditions with a genetic contribution.' Below the banner, there are three columns of links: 'Using MedGen' (including MedGen Quick Start, List of Professional Guidelines, Help, MedGen Chapter in The NCBI Handbook, Select condition and phenotype terms for ClinVar and GTR, Frequently asked questions, Downloads/FTP, and MedGen News), 'MedGen Tools' (including 1000 Genomes Browser and Variation), and 'Other Resources' (including ClinVar, Gene, Genetic Testing Registry (GTR®), GeneReviews®, OMIM®, and RefSeqGene).

NCBI Resources How To

MedGen MedGen Search

Limits Advanced Help

MedGen

Organizes information related to human medical genetics, such as attributes of conditions with a genetic contribution.

Using MedGen

- MedGen Quick Start
- List of Professional Guidelines
- Help
- MedGen Chapter in The NCBI Handbook
- Select condition and phenotype terms for ClinVar and GTR
- Frequently asked questions
- Downloads/FTP
- MedGen News

MedGen Tools

- 1000 Genomes Browser
- Variation

Other Resources

- ClinVar
- Gene
- Genetic Testing Registry (GTR®)
- GeneReviews®
- OMIM®
- RefSeqGene

- New and evolving NCBI resource. Development began in 2012.
- Information about human disorders and features or symptoms that have a genetic component.
- Designed for health care professionals and the medical genetics community.
- Compiles information from multiple sources: GeneReviews, OMIM, Genetic Testing Registry, ClinVar, Genetics Home Reference, practice guidelines, and PubMed.

Literacy/ Education Resources



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Public Health Genomics



Personal Genetics
Education Project



THE
AMERICAN
SOCIETY
OF HUMAN
GENETICS

discover. educate. advocate.

CENTER FOR
GENETICS AND
SOCIETY



Council for
Responsible Genetics



GENOME
UNLOCKING
LIFE'S
CODE

Interdisciplinary Resources

NLM Traveling Exhibits

**EXHIBITION
PROGRAM**

ABOUT US | EXHIBITIONS | BOOK A TRAVELING EXHIBITION | EDUCATION | CONTACT US | SITE MAP

SEARCH


+ f

EXHIBITIONS

VIEW CATEGORIES BY: MOST RECENT | ALPHABETICALLY

find an exhibition near you

medicine & the arts



FRANKENSTEIN: Penetrating the Secrets of Nature




AND THERE'S THE HUMOR OF IT: Shakespeare and the Four Humors

science & society



PICK YOUR POISON: Intoxicating Pleasures & Medical Prescriptions



FROM DNA TO BEER: Harnessing Nature in Medicine and Industry

patients & practitioners



CONFRONTING VIOLENCE: Improving Women's Lives



PICTURES OF NURSING: The Zwerdling Postcard Collection

the technology of medicine



VISIBLE PROOFS: Forensic Views of the Body



THE ONCE AND FUTURE WEB: Worlds Woven by Telegraph and Internet

NLM Traveling Exhibits

[HOME](#) | [EXHIBITION](#) | [EDUCATION](#) | [DIGITAL GALLERY](#) | [CREDITS](#) | [TRAVELING INFO](#)



FRANKENSTEIN:

PENETRATING *the* SECRETS of NATURE

On a dark and stormy night in 1816, Mary Shelley began writing a story that posed profound questions about individual and societal responsibility for other people.

EXPLORE THE EXHIBITION

*The creature of the
and a convulsive
to him.*
*But how Newman...
emotion at this catastrophe for his Reli*

SEE THE
DIGITAL GALLERY



FIND EDUCATIONAL RESOURCES



NLM Traveling Exhibits

[Home](#)[Exhibition](#)[Education](#)[Traveling Info](#)[Credits](#)[Exhibition Program](#)

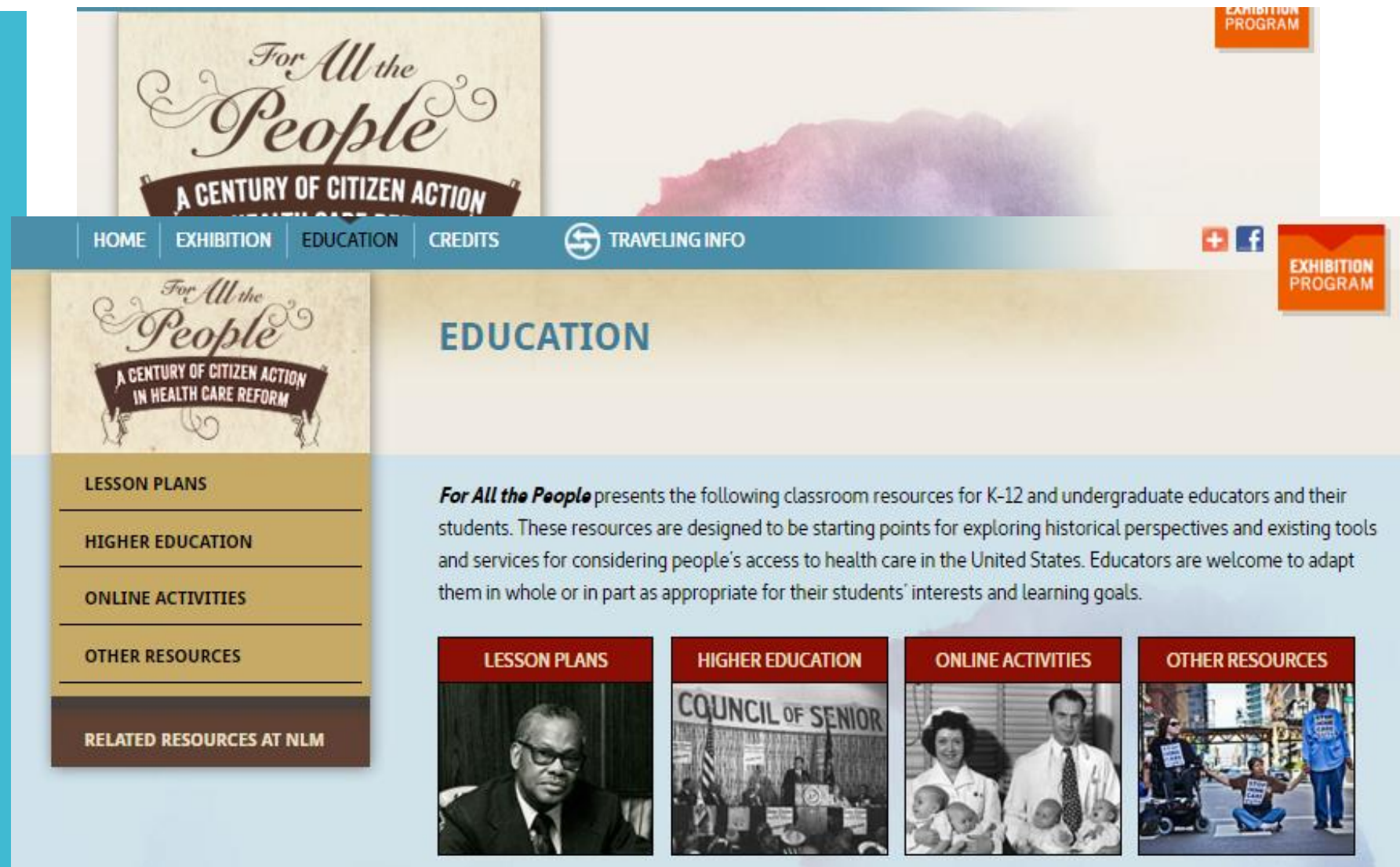
The perspectives of surgeons, physicians, and nurses are richly documented in the history of American Civil War medicine, which highlights the heroism and brutality of battlefield operations and the challenges of caring for the wounded during wartime. Yet the experiences of injured soldiers during the conflict and in the years afterwards are less well-known. *Life and Limb: The Toll of the American Civil War* focuses on disabled veterans and their role as symbols of the fractured nation.

Explore the experiences of Civil War veterans in the [online exhibition](#), use [education resources](#) in middle-school, high-school and undergraduate classes, take a closer look at Civil War-era texts in [Digital Documents](#), or find out if the [traveling exhibition](#) is coming to a library near you.

Pictured on the right: Soldiers at Armory Square Hospital, Washington, D.C., 1860s
Courtesy National Library of Medicine



NLM Traveling Exhibits



The screenshot displays the 'For All the People' website, which is dedicated to the exhibition 'A CENTURY OF CITIZEN ACTION IN HEALTH CARE REFORM'. The website features a blue navigation bar with links to HOME, EXHIBITION, EDUCATION, CREDITS, and TRAVELING INFO. A red 'EXHIBITION PROGRAM' button is visible in the top right corner. The main content area is titled 'EDUCATION' and includes a sidebar with links to LESSON PLANS, HIGHER EDUCATION, ONLINE ACTIVITIES, OTHER RESOURCES, and RELATED RESOURCES AT NLM. The main text describes the classroom resources available for K-12 and undergraduate educators. Below this text, there are four image thumbnails representing different resource categories: LESSON PLANS (a portrait of Martin Luther King Jr.), HIGHER EDUCATION (a historical photo of a 'COUNCIL OF SENIOR' meeting), ONLINE ACTIVITIES (a photo of a family with children), and OTHER RESOURCES (a photo of a protest with people holding signs).

For All the People
A CENTURY OF CITIZEN ACTION
IN HEALTH CARE REFORM

HOME | EXHIBITION | EDUCATION | CREDITS | TRAVELING INFO

EXHIBITION PROGRAM

EDUCATION

LESSON PLANS

HIGHER EDUCATION

ONLINE ACTIVITIES

OTHER RESOURCES

RELATED RESOURCES AT NLM

For All the People presents the following classroom resources for K-12 and undergraduate educators and their students. These resources are designed to be starting points for exploring historical perspectives and existing tools and services for considering people's access to health care in the United States. Educators are welcome to adapt them in whole or in part as appropriate for their students' interests and learning goals.

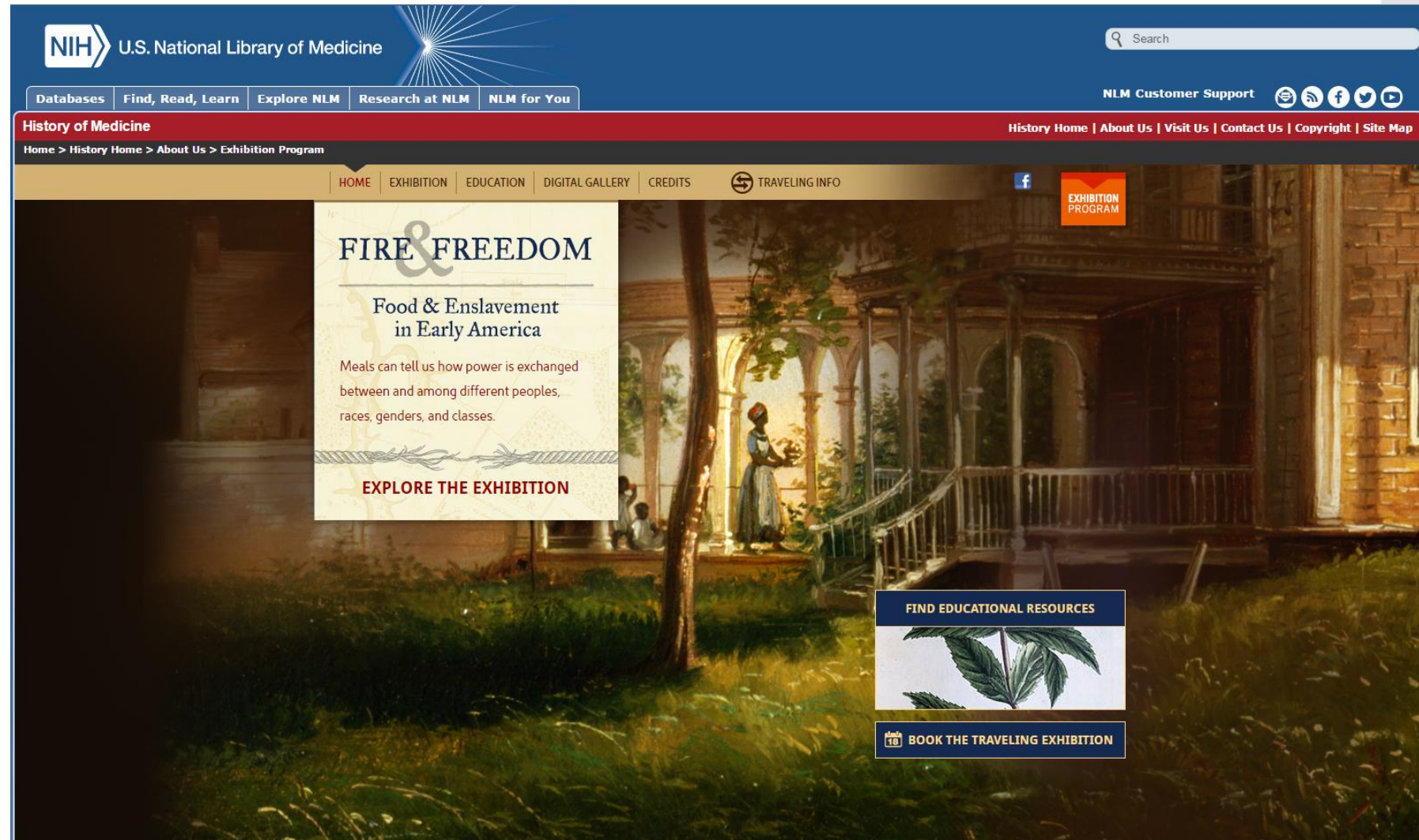
LESSON PLANS

HIGHER EDUCATION

ONLINE ACTIVITIES

OTHER RESOURCES

NLM Traveling Exhibits



NIH Science Education



RESEARCH & TRAINING

Research & Training

[Science Highlights](#)

[Research in NIH Labs & Clinics](#)

[Training Opportunities](#)

[Library Resources](#)

[Research Resources](#)

[Clinical Research Resources](#)

[Safety, Regulation & Guidance](#)

[Science Education](#)

[Medical Research Initiatives](#)

[Precision Medicine Initiative](#)

[Environmental influences on Child Health Outcomes \(ECHO\) Program](#)

[Accelerating Medicines Partnership \(AMP\)](#)

[Rigor and Reproducibility](#)

[Lasker Clinical Research Scholars](#)

Science Education

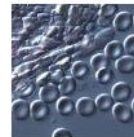
On this page

- [Resources for Students](#)
- [Resources for Educators](#)

Resources for Students



[NIAMS Kids Pages](#)



[Microscope Imaging Station](#)



[Test Your Science IQ!: Cells](#)



[NINDS Brain Resources](#)

From the NIH Director



Francis Collins, M.D., Ph.D., offers a message to high school graduates.

This video was requested by a motivated graduating senior at a high school in Ontario, but it speaks to students everywhere. May 19, 2011.

Featured Site



[NIAMS Kids Pages](#)

Support Your Institution and Your Community!

- Help your students/parents/colleagues be informed about health and science
- Provide health/science resources for parents, kids, youth
- Connect with the community through collaboration and information
- Look to NNLM PNR for great resources and opportunities.



Thank You!

Questions?



Carolyn Martin, MLS, AHIP

Consumer Health Coordinator

National Network of Libraries of Medicine, Pacific NW Region

`martinc4@uw.edu`

[NNLM PNR website](https://nnlm.gov/pnr) <https://nnlm.gov/pnr>

Presentation resources

<https://nnlm.gov/pnr/guides/training-resources-you-can-use/presentations>